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CATALOGUE
Connecting devices
for actuators
and sensors
Proximity switches



Our company is organised and committed to seek continuous improvements at every level.

Innovation and our ability to support our customers with dedicated solutions allow us to be the ideal partner for companies looking for high levels of quality and service.

Our technical catalogues illustrate the standard range of products manufactured. In addition our product portfolio also includes a wide and diverse range of custom products designed to satisfy the specific technical requirements of our customers. This characteristic is demonstrated by our focus on the products technical development, by the use of innovative injection moulding techniques and materials and in the design of the products dedicated electrical features.

Our commitment to innovation in terms of organisation, the traceability of all of the various processes together with our ability and desire to constantly support our customers from the products conception and throughout its complete lifetime allows our company to cooperate Internationally with market leading organisations in the following market sectors:

- AGRICULTURE ● FORESTRY ● FARMING
- AIR ● WATER ● FLUID ● STEAM ● GAS
- AUTOMOTIVE
- CONSTRUCTION ● EARTHMOVING
- ENERGY ● PETROCHEMICAL
- FOOD ● BEVERAGE ● VENDING
- INDUSTRIAL AUTOMATION ● ROBOTICS
- MARINE ● PORTS
- MINING ● QUARRYING ● CEMENT MIXING
- PACKAGING ● BOTTLING
- POWER TRANSMISSION ● HYDRAULICS ● PNEUMATICS
- TRANSPORT ● SERVICES
- TRANSFER MACHINES ● ASSEMBLY

Reference rules:

IEC 60335-1	Household and similar electrical appliances - Safety
IEC 60730-1	Automatic electrical controls for household and similar use
IEC 60204-1	Safety of machinery Electrical equipment of machines
2006/95/EC	Low voltage Directive
2011/65/UE	Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipments (RoHS)
EC N°1907/2006	Regualtion concerning the registration, evaluation, authorization and restriction of chemicals (REACH)

The drawings and the technical data reported on the data sheets have been checked and are believed to be correct. However no liability is accepted therefore.

We always recommend to contact our technical department for the most significant values. The company reserves the right to modify what is reported on specifications and drawings without notice due to technical or commercial reasons.

All technical data contained in this catalogue considers that our connectors are being used as connecting devices which in normal use (when under load) should not be inserted or withdrawn from any mating device.

With reference to CE marking, it should be noted that electronic components such as connectors are not subject to any form of marking and therefore must not be marked with a CE mark. This is confirmed within the conditions of the European Commission for Low Voltage and EMC guidelines.

Our connectors are developed and designed for the use in the field of equipment, control and electrical appliances. They can also be used in other applications under the responsibility of the user.

Any connecting wires should be stripped only so far that distances to conductive parts are not shortened.

When wires are crimped or soldered care should be taken to ensure that no single strands are exposed in order to prevent a short circuit.



Atam Group. Innovation and technology.

Since 1992 Atam Group produces components for the automatic regulation and, more in general, for the wide market of industrial automation and engineering oil hydraulic.

The group was born with the common intention to diversify strategies and researches with the purpose of completely satisfy the customer.

The continuous technological evolution, oriented to anticipate the market demands and the competition, allows Atam Group to be an active and trusted partner in order to grant the maximum performances of each product.



1

Encapsulated coils
Electromagnets
Electrical windings



2

Operators





3



Operators for solenoid valves



4



Connecting devices for actuators and sensors
Proximity switches

Glossary

Ampère (A): International unit of measurement of the intensity of electric current.

Alternate current (AC): Electrical current flow, variable in time, both as intensity that direction. Reaches a maximum positive value and a maximum negative value passing from zero.

Direct current (DC): Flow of electrical current, constant in time, both in intensity as that direction.

Ground connection (PE): Point of connection of the electric masses intended to be connected physically to the earth. The correct operation avoids the risk of electric shock.

Diode Non-linear passive electronic component, whose function is to allow the passage of current flow in one direction only and lock it in the opposite direction.

Ohm (Ω): International unit of electrical resistance.

Current rectifier: It is a device consisting of diodes, capable of converting an AC voltage into a DC voltage.

Electrical resistance: Capacity of a conductor to oppose the passage of electric current generating heat.

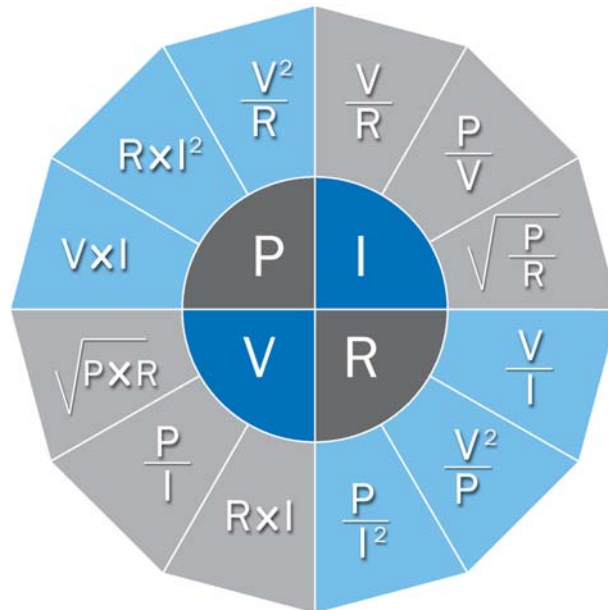
Transil (TVS = Trans Voltage Suppressor): Electrical component belonging to the category of non-linear transient suppressors. Has a behavior similar to a Zener diode, but unlike the latter, serves to protect electronic circuits against overvoltage spikes fast and destructive.

Varistor (VDR = Voltage Dependent resistor): Non-linear electronic component used to protect electronic circuitry from overvoltage spikes fast and destructive. Its behavior can be compared to a resistor (non-linear) that if it is exceeded the voltage for which it is designed, rapidly lowers its internal resistance so that the spike is strongly attenuated.

Volt (V): International unit of electric potential, and also of the potential difference between two points of a conductor or an electric component.

Watt (W): International unit of power.

OHM law and power calculation



V : Voltage Volt (V)
R : Resistance Ohm (Ω)
I : Current intensity Ampere (A)
P : Power Watt (W)

Technical information and references

The connection systems for actuators and sensors must be constructed in accordance to the standard norms:

EN 175301-803: 2000
EN 61076-2-101: 2003

find their application in low voltage equipment where the reference standard is EN 60730-1 with which the above rules do share some aspects. As regards the parameters that regulate the insulation coordination of the reference standard is the EN 60664-1.

In matter some definitions here are explained below in briefly:

Rated voltage, Rated current

Are values assigned to a device by the manufacturer and to which to operation

Overvoltage category (EN 60664-1)

A numerical characterizing a transient overvoltage condition:

Category I Equipment for connection to circuits in which measures are taken to limit the overvoltages to an appropriately low level.

Example, electronic circuits, logical and very low voltage

Category II Is an energy consuming equipment to be supplied from the fixed installation. Example, control devices for electrical appliances

Category III Equipment in fixed installation, and for cases where the reliability and the availability of the equipment is subject to special requirements.

Example, components that integrate systems of suppression of transient voltages constituting part of wiring intended to be incorporated in equipment intended for permanent connection.

Category IV Equipment for use at the origin of the installation.

Creepage distances and clearance.

The control devices for low voltage must be constructed in such a way that the distances in the air, the surface and through the solid insulation are capable of withstanding the power that can be provided.

Category of materials (EN 60730-1)

The insulating material used is classified into groups according to comparative index of resistance to tracking index (PTI = Proof Tracking Index)

Material group I

$PTI \leq 600$

Material group II

$400 \leq PTI < 600$

Material group IIIa

$PTI \leq 175 < 400$

Material group IIIb

$100 \leq PTI < 175$

This index will determine the minimum creepage distances for the 'basic insulation according to the nominal voltage of the device, and the degree of pollution expected.

Pollution degrees of isolation (EN 60730-1)

The environmental conditions in which the device is to operate must be taken into consideration in order to determine the suitability of the device, to operate properly in such situations. The environmental conditions of pollution are classified in degrees:

Pollution degree 1

No pollution or only dry pollution, non-conductive. The pollution has no effect

Pollution degree 2

Presence of only non-conductive pollution, but which can occasionally become conductive due to condensation planned

Pollution degree 3

Presence of conductive pollution or dry nonconductive pollution that becomes conductive due to condensation planned

Pollution degree 4

The pollution generates persistent conductivity caused by conductive dust, rain or snow.

Norms and test conditions

STANDARD	CHARACTERISTICS	REMARKS
EN 60529	Shell protection	Further informations on page 7
EN 60512-5 (Test 9a)	Mechanical operation	Test is performed without electrical load
EN 60664-1	Rated voltage	Further informations on page 5
EN 60664-1	Rated current	Further informations on page 5
EN 60664-1	Overvoltage category	Further informations on page 5
EN 60664-1	Pollution degree	Further informations on page 5
EN 60730-1	Material groups	Further informations on page 5
IEC 60512-2 (Test 2b)	Contact resistance	Resistance between contact pin and contact socket in mated condition
IEC 60512-2 (Test 3a)	Insulation resistance	Insulation between two conductive parts (dependent on material)

Our production processes and our products are designed and developed to satisfy the recognized international standards.

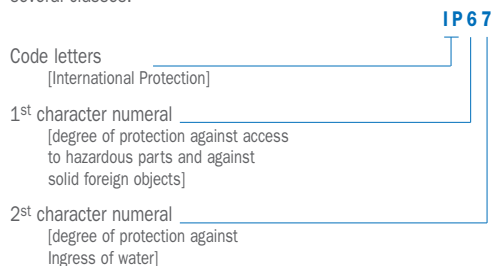
We also have the technical and production capability to study solutions to other recognized international standards in order to provide products in accordance with our customers specific requirements.

Degree of protection (IP-Code)

Connectors have to be protected for safety reasons from outside influences like dust, foreign objects, direct contact, moisture and water.

This protection is provided on industrial connectors by its housing with their latching devices and sealed cable entries. The degree of protection can be selected depending on the type of intended use.

The standard IEC EN60529 has specified the degree of protection and divided into several classes.



DEGREES OF PROTECTION against ACCESS to hazardous parts indicated by the first characteristic numeral

FIRST characteristic numeral	DEGREE OF PROTECTION	
	Brief Description	Definition
0	Non-protected	
1	Protected against access to hazardous parts with the back of a hand	The access probe sphere of 50 mm Ø shall have adequate clearance from hazardous parts
2	Protected against access to hazardous parts with a finger	The jointed test finger of 12 mm Ø 80 mm length shall have adequate clearance from hazardous parts
3	Protected against access to hazardous parts with a tool	The access probe of 2,5 mm Ø shall not penetrate
4	Protected against access to hazardous parts with a wire	The access probe of 1,0 mm Ø shall not penetrate
5	Protected against access to hazardous parts with a wire	The access probe of 1,0 mm Ø shall not penetrate
6	Protected against access to hazardous parts with a wire	The access probe of 1,0 mm Ø shall not penetrate

DEGREES OF PROTECTION against SOLID foreign objects indicated by the first characteristic numeral














FIRST characteristic numeral	DEGREE OF PROTECTION	
	Brief Description	Definition
0	Non-protected	
1	Protected against solid foreign objects of ≥ 50 mm Ø and greater	To object probe sphere of 50 mm Ø shall not fully penetrate
2	Protected against solid foreign objects of $\geq 12,5$ mm Ø and greater	To object probe sphere of 12,5 mm Ø shall not fully penetrate
3	Protected against solid foreign objects of $\geq 2,5$ mm Ø and greater	To object probe sphere of 2,5 mm Ø shall not fully penetrate
4	Protected against solid foreign objects of $\geq 1,0$ mm Ø and greater	To object probe sphere of 1,0 mm Ø shall not fully penetrate
5	Dust-protected	Ingress of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the apparatus or to impair safety
6	Dust-tight	No ingress of dust

DEGREES OF PROTECTION against WATER indicated by the second characteristic numeral

SECOND characteristic numeral	DEGREE OF PROTECTION	
	Brief Description	Definition
0	Non-protected	
1	Protected against vertically falling water drops	Vertically falling drops shall have no harmful effects
2	Protected against vertically falling water drops when up to 15°	Vertically falling drops shall have no harmful effects when the enclosure is tilted at any angle up to 15° on either side of the vertical
3	Protected against spraying water	Water sprayed at an angle up to 60° on either side of the vertical shall have no harmful effects
4	Protected against splashing water	Water splashed against the enclosure from any direction shall have no harmful effects
5	Protected against water jets	Water projected in powerful jets against the enclosure from any direction shall have no harmful effects
6	Protected against powerful water jets	Water projected in powerful jets against the enclosure from any direction shall have no harmful effects
7	Protected against immersion in water	Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed in water under standardized conditions of pressure and time
8	Protected against the effects of continuous immersion in water	Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is continuously immersed in water under conditions which shall be agreed between manufacturer and user but which are more severe than for numeral 7
IP69K in accordance to DIN40050-9	Protected against the effects due to cleaning with hot water pressure jet	The water jet sprayed against the enclosure, in the conditions of pressure and temperature standardized, have no harmful effects

Valve Connectors EN 175301-803

SELF - ASSEMBLY CABLE

DESCRIPTION	PAG
SERIES: KA 	FEMALE CONNECTORS FORM A (contact spacing 18mm) STANDARD (black - grey) 10
SERIES: KA 	FEMALE CONNECTORS FORM A (contact spacing 18mm) WITH CIRCUITS (transparent) 16
SERIES: KA 	FEMALE CONNECTORS FORM A (contact spacing 18mm) WITH CIRCUITS (black - grey) 24
SERIES: KA 	FEMALE CONNECTORS FORM A (contact spacing 18mm) STANDARD (black) 35
SERIES: KB 	FEMALE CONNECTORS FORM B industrial (contact spacing 11mm) STANDARD (black - grey) 36
SERIES: KB 	FEMALE CONNECTORS FORM B industrial (contact spacing 11mm) WITH CIRCUITS (transparent) 38
SERIES: KC 	FEMALE CONNECTORS FORM C (contact spacing 8mm) STANDARD (black) 42
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SERIES: BA 	MALE BASES FORM A (contact spacing 18mm) STANDARD (black) 50
SERIES: BB 	MALE BASES FORM B industrial (contact spacing 11mm) STANDARD (black) 52
SERIES: BD 	MALE BASES FORM C industrial (contact spacing 9,4mm) STANDARD (black) 53



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	
Housing colour	black	black	
Number of contacts	2+PE	2+PE	
Order no.	KA132000B9	KA132000B1	
Other options on request	grey housing	order no. KA132000A9	order no. KA132000A1
Cable gland	PG9	PG11	
Max. conductor size	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Rated voltage max.	250 V AC/DC	250 V AC/DC	
Rated current max. (EN 60512-5-2 test 5b)	10 A	10 A	
Contact resistance	15mΩ max.	15mΩ max.	
Overtoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitable cables	5 mm to 7 mm diameter	6 mm to 9 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
	with silicon gasket	-40°C to + 125°C	-40°C to + 125°C
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	500 pieces / 14,5Kg	500 pieces / 14,5Kg	
Box dimensions	80 x 30 x 22 cm	80 x 30 x 22 cm	
Other accessory options			
to be ordered separately see pages 177-181	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

Valve Connectors KAO - KA1 series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12
black	black	black	black
2+PE	3+PE	3+PE	3+PE
KA132000B6	KA042000B9	KA042000B1	KA042000B6
order no. KA132000A6	order no. KA042000A9	order no. KA042000A1	order no. KA042000A6
M16x1,5	PG9	PG11	M16x1,5
1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm
250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
10 A	10 A	10 A	10 A
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
screw M3	screw M3	screw M3	screw M3
max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
5 mm to 7 mm diameter	5 mm to 7 mm diameter	6 mm to 9 mm diameter	5 mm to 7 mm diameter
central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
PA6 GF	PA6 GF	PA6 GF	PA6 GF
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C
-40°C to + 125°C	-40°C to + 125°C	-40°C to + 125°C	-40°C to + 125°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
500 pieces / 14,5Kg	500 pieces / 14,5Kg	500 pieces / 14,5Kg	500 pieces / 14,5Kg
80 x 30 x 22 cm	80 x 30 x 22 cm	80 x 30 x 22 cm	80 x 30 x 22 cm
NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12
Housing colour		black	black
Number of contacts		2+PE	2+PE
Order no.		KA132000B9UR	KA132000B1UR
Other options on request	grey housing	order no. KA132000A9UR	order no. KA132000A1UR
Cable gland		PG9	PG11
Max. conductor size		1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max. (EN 60512-5-2 test 5b)		10 A	10 A
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitable cables		5 mm to 7 mm diameter	6 mm to 9 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA66 GF H2	PA66 GF H2
Housing material		PA66 GF H2	PA66 GF H2
Environmental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-40°C to + 100°C	-40°C to + 100°C
Inflammability class			
Contact holder		94-V0	94-V0
Housing		94-V0	94-V0
Approvals		UL/cUL	UL/cUL
Packaging			
Packaging unit / Weight approx.		500 pieces / 14,5Kg	500 pieces / 14,5Kg
Box dimensions		80 x 30 x 22 cm	80 x 30 x 22 cm
Other accessory options			
to be ordered separately see pages 177-181			

Valve Connectors KAO - KA1 series

SELF - ASSEMBLY CABLE



atam US



atam US



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12	P18 connector with screw terminals NBR profile gasket (PE) earth position H12
black	black	black	black
3+PE	3+PE	2+PE	3+PE
KA042000B9UR	KA042000B1UR	KA132000B3	KA042000B3
order no. KA042000A9UR	order no. KA042000A1UR	order no. KA132000A3	order no. KA042000A3
PG9	PG11	1/2 NPTF	1/2 NPTF
1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
10 A	10 A	10 A	10 A
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
screw M3	screw M3	screw M3	screw M3
max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
5 mm to 7 mm diameter	6 mm to 9 mm diameter	not included	not included
central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA66 GF H2	PA66 GF H2	PA6 GF	PA6 GF
PA66 GF H2	PA66 GF H2	PA6 GF	PA6 GF
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C
		-40°C to + 125°C with silicon gasket	-40°C to + 125°C with silicon gasket
94-V0	94-V0	HB - UL 94	HB - UL 94
94-V0	94-V0	HB - UL 94	HB - UL 94
UL/cUL	UL/cUL		
500 pieces / 14,5Kg	500 pieces / 14,5Kg	500 pieces / 14Kg	500 pieces / 14Kg
80 x 30 x 22 cm	80 x 30 x 22 cm	80 x 30 x 22 cm	80 x 30 x 22 cm
		NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
		Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
		Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 protective diode	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 protective diode	
Housing colour	black	black	
Number of contacts	2+PE	2+PE	
Order no.	KA132D10B9	KA132D10B1	
Other options on request	grey housing	order no. KA132D10A9	order no. KA132D10A1
Cable gland	PG9 (M16x1,5 on request)	PG11	
Max. conductor size	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Rated voltage max.	0 ... 230V DC	0 ... 230V DC	
Rated current max.	4 A	4 A	
Suppressor	Diode 1A 1000V	Diode 1A 1000V	
LED colour			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitable cables	5 mm to 7 mm diameter	6 mm to 9 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,5Kg	100 pieces / 2,5Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 177-181	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 TVS protective diode (transil)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 TVS protective diode (transil)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 RC protective circuit	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 RC protective circuit
black	black	black	black
2+PE	2+PE	2+PE	2+PE
KA132T11B9	KA132T11B1	KA132C12B9	KA132C12B1
order no. KA132T11A9	order no. KA132T11A1	order no. KA132C12A9	order no. KA132C12A1
PG9 (M16x1,5 on request)	PG11	PG9 (M16x1,5 on request)	PG11
1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm 24V AC/DC	6,3 x 0,8mm ; 4,8 x 0,8mm 24V AC/DC	6,3 x 0,8mm ; 4,8 x 0,8mm 130 VAC - 250 VDC max	6,3 x 0,8mm ; 4,8 x 0,8mm 130 VAC - 250 VDC max
4 A	4 A	4 A	4 A
TVS Vbr max.=37,8V Peak=400W	TVS Vbr max.=37,8V Peak=400W	Filter RC C=0,33 µF R=100 Ω	Filter RC C=0,33 µF R=100 Ω
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
screw M3 max. 0,5 N/m	screw M3 max. 0,5 N/m	screw M3 max. 0,5 N/m	screw M3 max. 0,5 N/m
5 mm to 7 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5	5 mm to 7 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5
CuSn silver plated PA6 GF PA6 GF	CuSn silver plated PA6 GF PA6 GF	CuSn silver plated PA6 GF PA6 GF	CuSn silver plated PA6 GF PA6 GF
IP 65 when correctly assembled 3	IP 65 when correctly assembled 3	IP 65 when correctly assembled 3	IP 65 when correctly assembled 3
-40°C to + 100°C	-40°C to + 100°C	-40°C to + 80°C	-40°C to + 80°C
HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94
100 pieces / 2,5Kg 29 x 15 x 18 cm	100 pieces / 2,5Kg 29 x 15 x 18 cm	100 pieces / 2,5Kg 29 x 15 x 18 cm	100 pieces / 2,5Kg 29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and protective circuit (diode)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and protective circuit (diode)
Housing colour		transparent	transparent
Number of contacts		2+PE	2+PE
Order no.		KA132D54T9	KA132D54T1
Other options on request	led colour red led colour green	order no. KA132D57T9 order no. KA132D5AT9	order no. KA132D57T1 order no. KA132D5AT1
Cable gland		PG9 (M16x1,5 on request)	PG11
Max. conductor size		1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		Diode 1A 1000V	Diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitable cables		5 mm to 7 mm diameter	6 mm to 9 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Environmental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,5Kg	100 pieces / 2,5Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 177-181		NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag

Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and TVS protective circuit (transil)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and TVS protective circuit (transil)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and RC protective circuit	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and RC protective circuit
transparent	transparent	transparent	transparent
2+PE	2+PE	2+PE	2+PE
KA132T54T9	KA132T54T1	KA132C54T9	KA132C54T1
order no. KA132T57T9	order no. KA132T57T1		
order no. KA132T5AT9	order no. KA132T5AT1		
PG9 (M16x1,5 on request)	PG11	PG9 (M16x1,5 on request)	PG11
1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
4 A	4 A	4 A	4 A
TVS Vbr max.=37,8V Peak=400W	TVS Vbr max.=37,8V Peak=400W	Filter RC C=0,1 µF R=100 Ω	Filter RC C=0,1 µF R=100 Ω
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
screw M3	screw M3	screw M3	screw M3
max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
5 mm to 7 mm diameter	6 mm to 9 mm diameter	5 mm to 7 mm diameter	6 mm to 9 mm diameter
central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
PA12	PA12	PA12	PA12
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)
Housing colour		transparent	transparent
Number of contacts		2+PE	2+PE
Order no.		KA132L34T9	KA132L35T9
Other options on request	led colour red	order no. KA132L37T9	order no. KA132L38T9
	led colour green	order no. KA132L3AT9	order no. KA132L3BT9
Cable gland		PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size		1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		8 A	8 A
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitable cables		5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Environmental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,5Kg	100 pieces / 2,5Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 177-181		NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag

Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)
transparent	transparent	transparent	transparent
2+PE	2+PE	2+PE	2+PE
KA132L36T9	KA132L34T1	KA132L35T1	KA132L36T1
order no. KA132L39T9	order no. KA132L37T1	order no. KA132L38T1	order no. KA132L39T1
order no. KA132L3CT9	order no. KA132L3AT1	order no. KA132L3BT1	order no. KA132L3CT1
PG9 (M16x1,5 on request)	PG11	PG11	PG11
1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm 230 V AC/DC	6,3 x 0,8mm ; 4,8 x 0,8mm 24 V AC/DC	6,3 x 0,8mm ; 4,8 x 0,8mm 115 V AC/DC	6,3 x 0,8mm ; 4,8 x 0,8mm 230 V AC/DC
8 A	8 A	8 A	8 A
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
screw M3	screw M3	screw M3	screw M3
max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
PA12	PA12	PA12	PA12
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)
Housing colour		transparent	transparent
Number of contacts		2+PE	2+PE
Order no.		KA132V54T9	KA132V55T9
Other options on request	led colour red led colour green	order no. KA132V57T9 order no. KA132V5AT9	order no. KA132V58T9 order no. KA132V5BT9
Cable gland		PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size		max. 1,5mm ² without splice/terminal	max. 1,5mm ² without splice/terminal
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitable cables		5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Environmental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,5Kg	100 pieces / 2,5Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 177-181		NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag

Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor) transparent	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor) transparent	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor) transparent	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor) transparent
2+PE KA132V56T9	2+PE KA132V54T1	2+PE KA132V55T1	2+PE KA132V56T1
order no. KA132V59T9	order no. KA132V57T1	order no. KA132V58T1	order no. KA132V59T1
order no. KA132V5CT9	order no. KA132V5AT1	order no. KA132V5BT1	order no. KA132V5CT1
PG9 (M16x1,5 on request)	PG11	PG11	PG11
max. 1,5mm ² without splice/terminal	max. 1,5mm ² without splice/terminal	max. 1,5mm ² without splice/terminal	max. 1,5mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
5 A	5 A	5 A	5 A
VDR 275 Vrms 8,6 Joule yellow 15mΩ max.	VDR 30 Vrms 0,9 Joule yellow 15mΩ max.	VDR 130 Vrms 4,5 Joule yellow 15mΩ max.	VDR 275 Vrms 8,6 Joule yellow 15mΩ max.
III	III	III	III
screw M3 max. 0,5 N/m 5 mm to 7 mm diameter central screw M3x32,5	screw M3 max. 0,5 N/m 6 mm to 9 mm diameter central screw M3x32,5	screw M3 max. 0,5 N/m 6 mm to 9 mm diameter central screw M3x32,5	screw M3 max. 0,5 N/m 6 mm to 9 mm diameter central screw M3x32,5
CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
100 pieces / 2,5Kg 29 x 15 x 18 cm	100 pieces / 2,5Kg 29 x 15 x 18 cm	100 pieces / 2,5Kg 29 x 15 x 18 cm	100 pieces / 2,5Kg 29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	
Housing colour	transparent	transparent	
Number of contacts	3+PE	3+PE	
Order no.	KA042P1YT9	KA042P2YT9	
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1mm ² without splice/terminal	1mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	24 V AC/DC	24 V AC/DC	
Rated current max.	4 A	4 A	
LED colour	LED yellow (pin 3) LED green (pin 2)	LED red (pin 3) LED green (pin 2)	
Contact resistance	15mΩ max.	15mΩ max.	
Overtoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitable cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,5Kg	100 pieces / 2,5Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 177-181	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	

Valve Connectors **KA0** series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator bi-colour LED for pressure switch device
transparent	transparent	transparent	transparent
3+PE	3+PE	3+PE	3+PE
KA042P3YT9	KA042P1YT1	KA042P2YT1	KA042P3YT1
PG9 (M16x1,5 on request)	PG11	PG11	PG11
1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
4 A	4 A	4 A	4 A
LED green (pin 3) LED yellow (pin 2) 15mΩ max.	LED yellow (pin 3) LED green (pin 2) 15mΩ max.	LED red (pin 3) LED green (pin 2) 15mΩ max.	LED green (pin 3) LED yellow (pin 2) 15mΩ max.
III	III	III	III
screw M3 max. 0,5 N/m	screw M3 max. 0,5 N/m	screw M3 max. 0,5 N/m	screw M3 max. 0,5 N/m
5 mm to 7 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
PA12	PA12	PA12	PA12
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	
Housing colour	black	black	
Number of contacts	2+PE	2+PE	
Order no.	KA132R11B9	KA132R12B9	
Other options on request	grey housing	order no. KA132R11A9	order no. KA132R12A9
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1mm ² without splice/terminal	1mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	
Rated current max.	1 A	1 A	
Suppressor	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitable cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 80°C	-40°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,7Kg	100 pieces / 2,7Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 177-181	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	

Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)
black	black	black	black
2+PE	2+PE	2+PE	2+PE
KA132R13B9	KA132R11B1	KA132R12B1	KA132R13B1
order no. KA132R13A9	order no. KA132R11A1	order no. KA132R12A1	order no. KA132R13A1
PG9 (M16x1,5 on request)	PG11	PG11	PG11
1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Input 230 VAC ; Output 207 VDC	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC
1 A	1 A	1 A	1 A
VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
screw M3	screw M3	screw M3	screw M3
max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
PA6 GF	PA6 GF	PA6 GF	PA6 GF
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	
Housing colour	black	black	
Number of contacts	2+PE	2+PE	
Order no.	KA132R21B9	KA132R22B9	
Other options on request	grey housing	order no. KA132R21A9	order no. KA132R22A9
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1mm ² without splice/terminal	1mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	
Rated current max.	4 A	4 A	
Suppressor	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitable cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 80°C	-40°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,7Kg	100 pieces / 2,7Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 177-181	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	

Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier and VDR suppressor (varistor)
black	black	black	black
2+PE	2+PE	2+PE	2+PE
KA132R23B9	KA132R21B1	KA132R22B1	KA132R23B1
housing grey order no. KA132R23A9	housing grey order no. KA132R21A1	housing grey order no. KA132R22A1	housing grey order no. KA132R23A1
PG9 (M16x1,5 on request)	PG11	PG11	PG11
1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm Input 230 VAC ; Output 207 VDC 4 A	6,3 x 0,8mm ; 4,8 x 0,8mm Input 24 VAC ; Output 20 VDC 4 A	6,3 x 0,8mm ; 4,8 x 0,8mm Input 115 VAC ; Output 103 VDC 4 A	6,3 x 0,8mm ; 4,8 x 0,8mm Input 230 VAC ; Output 207 VDC 4 A
VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
screw M3 max. 0,5 N/m	screw M3 max. 0,5 N/m	screw M3 max. 0,5 N/m	screw M3 max. 0,5 N/m
5 mm to 7 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
PA6 GF	PA6 GF	PA6 GF	PA6 GF
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Product description			
Standard		EN175301-803	EN175301-803
Construction type		A	A
Description		P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)
Housing colour		transparent	transparent
Number of contacts		2+PE	2+PE
Order no.		KA132R54T9	KA132R55T9
Other options on request	led colour red led colour green	order no. KA132R57T9 order no. KA132R5AT9	order no. KA132R58T9 order no. KA132R5BT9
Cable gland		PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size		1mm ² without splice/terminal	1mm ² without splice/terminal
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC
Rated current max.		1 A	1 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitable cables		5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Environmental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,7Kg	100 pieces / 2,7Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 177-181		NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag

Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)
transparent	transparent	transparent	transparent
2+PE	2+PE	2+PE	2+PE
KA132R56T9	KA132R54T1	KA132R55T1	KA132R56T1
order no. KA132R59T9	order no. KA132R57T1	order no. KA132R58T1	order no. KA132R59T1
order no. KA132R5CT9	order no. KA132R5AT1	order no. KA132R5BT1	order no. KA132R5CT1
PG9 (M16x1,5 on request)	PG11	PG11	PG11
1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Input 230 VAC ; Output 207 VDC	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC
1 A	1 A	1 A	1 A
VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
screw M3	screw M3	screw M3	screw M3
max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m
5 mm to 7 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter	6 mm to 9 mm diameter
central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
PA12	PA12	PA12	PA12
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg	100 pieces / 2,7Kg
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag
Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag
Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	KA132RB4T9	KA132RB5T9	
Other options on request			
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1mm ² without splice/terminal	1mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	
Rated current max.	2 A	2 A	
Suppressor	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitable cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,7Kg	100 pieces / 2,7Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 177-181	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)
transparent	transparent	transparent	transparent
2+PE	2+PE	2+PE	2+PE
KA132RB6T9	KA132RB4T1	KA132RB5T1	KA132RB6T1
PG9 (M16x1,5 on request)	PG11	PG11	PG11
1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm Input 230 VAC ; Output 207 VDC 2 A	6,3 x 0,8mm ; 4,8 x 0,8mm Input 115 VAC ; Output 103 VDC 2 A	6,3 x 0,8mm ; 4,8 x 0,8mm Input 115 VAC ; Output 103 VDC 2 A	6,3 x 0,8mm ; 4,8 x 0,8mm Input 230 VAC ; Output 207 VDC 2 A
VDR 275 Vrms 8,6 Joule yellow 15mΩ max.	VDR 30 Vrms 0,9 Joule yellow 15mΩ max.	VDR 130 Vrms 4,5 Joule yellow 15mΩ max.	VDR 275 Vrms 8,6 Joule yellow 15mΩ max.
III screw M3 max. 0,5 N/m	III screw M3 max. 0,5 N/m	III screw M3 max. 0,5 N/m	III screw M3 max. 0,5 N/m
5 mm to 7 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5
CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12
IP 65 when correctly assembled 3 -20°C to + 80°C	IP 65 when correctly assembled 3 -20°C to + 80°C	IP 65 when correctly assembled 3 -20°C to + 80°C	IP 65 when correctly assembled 3 -20°C to + 80°C
HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94
100 pieces / 2,7Kg 29 x 15 x 18 cm	100 pieces / 2,7Kg 29 x 15 x 18 cm	100 pieces / 2,7Kg 29 x 15 x 18 cm	100 pieces / 2,7Kg 29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	KA132R64T9	KA132R65T9	
Other options on request			
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
Max. conductor size	1mm ² without splice/terminal	1mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	
Voltage	Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	
Rated current max.	4 A	4 A	
Suppressor	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitable cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	100 pieces / 2,7Kg	100 pieces / 2,7Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessories options			
to be ordered separately see pages 177-181	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Silicon profile gasket 100 pcs in bag	Silicon profile gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

Valve Connectors KA1 series

SELF-ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)	P18 connector with screw terminals NBR profile gasket (PE) earth position H12 full bridge rectifier, LED indicator and VDR suppressor (varistor)
transparent	transparent	transparent	transparent
2+PE	2+PE	2+PE	2+PE
KA132R66T9	KA132R64T1	KA132R65T1	KA132R66T1
PG9 (M16x1,5 on request)	PG11	PG11	PG11
1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal	1mm ² without splice/terminal
6,3 x 0,8mm ; 4,8 x 0,8mm Input 230 VAC ; Output 207 VDC 4 A	6,3 x 0,8mm ; 4,8 x 0,8mm Input 24 VAC ; Output 20 VDC 4 A	6,3 x 0,8mm ; 4,8 x 0,8mm Input 115 VAC ; Output 103 VDC 4 A	6,3 x 0,8mm ; 4,8 x 0,8mm Input 230 VAC ; Output 207 VDC 4 A
VDR 275 Vrms 8,6 Joule yellow 15mΩ max.	VDR 30 Vrms 0,9 Joule yellow 15mΩ max.	VDR 130 Vrms 4,5 Joule yellow 15mΩ max.	VDR 275 Vrms 8,6 Joule yellow 15mΩ max.
III screw M3 max. 0,5 N/m	III screw M3 max. 0,5 N/m	III screw M3 max. 0,5 N/m	III screw M3 max. 0,5 N/m
5 mm to 7 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5	6 mm to 9 mm diameter central screw M3x32,5
CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12
IP 65 when correctly assembled 3 -20°C to + 80°C	IP 65 when correctly assembled 3 -20°C to + 80°C	IP 65 when correctly assembled 3 -20°C to + 80°C	IP 65 when correctly assembled 3 -20°C to + 80°C
HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94
100 pieces / 2,7Kg 29 x 15 x 18 cm	100 pieces / 2,7Kg 29 x 15 x 18 cm	100 pieces / 2,7Kg 29 x 15 x 18 cm	100 pieces / 2,7Kg 29 x 15 x 18 cm
NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Silicon profile gasket 100 pcs in bag Stainless steel screw 100 pcs in bag

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description		
Standard	EN175301-803	EN175301-803
Construction type	A	A
Description	P18 connector with screw terminals, NBR profile gasket, (PE) earth position H12. With P.W.M. energy saving circuit with microprocessor. Protection against short circuit, overload and reverse polarity (in case of wrong connection). Auto regulation of the Output power as a function of the input voltage variation	
Housing colour	transparent	transparent
Number of contacts	2+PE	2+PE
Order no.	KA132A3GT9	KA132A34T9
Cable gland	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size	1mm ² without splice/terminal	1mm ² without splice/terminal
Drawing		
Technical data		
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Nominal Voltage	12 V DC ripple 10% (max)	24 V DC ripple 10% (max)
Rated Voltage	8 - 20 V DC	18 - 30 V DC
Max. Current	2 A	2 A
Max. Power	50 W	50 W
PWM Frequency	170 Hz	170 Hz
Start-up time	600 msec.	600 msec.
Power Reduction	40%	40%
Type of termination	screw M3	screw M3
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m
Suitable cables	5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting	central screw M3x32,5	central screw M3x32,5
Material		
Contact material	CuSn silver plated	CuSn silver plated
Contact holder material	PA6 GF	PA6 GF
Housing material	PA12	PA12
Environmental conditions		
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)	3	3
Temperature range	-20°C to + 80°C	-20°C to + 80°C
Inflammability class		
Contact holder	HB - UL 94	HB - UL 94
Housing	HB - UL 94	HB - UL 94
Packaging		
Packaging unit / Weight approx.	100 pieces / 2,7Kg	100 pieces / 2,7Kg
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options		
to be ordered separately see pages 177-181	We can provide a customer version, with parameterized dedicated	

Valve Connectors KA2 series

SELF - ASSEMBLY CABLE



Product description		
Standard	EN175301-803	EN175301-803
Construction type	A	A
Description	P18 connector with screw terminals NBR integrated flat gasket (PE) earth position H12	P18 connector with screw terminals NBR integrated flat gasket (PE) earth position H12
Housing colour	black	black
Number of contacts	2+PE	3+PE
Order no.	KA235000B4	KA245000B4
Other options on request		
Cable entry	M20 female	M20 female
Max. conductor size	max. 1,5mm ² without splice/terminal	max. 1,5mm ² without splice/terminal
Drawing		
Technical data		
Pin dimension	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Rated voltage max.	250 V AC/DC	250 V AC/DC
Rated current max. IEC512-3 test 5b	10 A	10 A
Contact resistance	15mΩ max.	15mΩ max.
Overvoltage category	III	III
Type of termination	screw M3	screw M3
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m
Suitables cables		
Mounting	central screw M3x42	central screw M3x42
Material		
Contact material	CuSn silver plated	CuSn silver plated
Contact holder material	PA6 GF	PA6 GF
Housing material	PA6 GF	PA6 GF
Cover material	PA12	PA12
Environmental conditions		
Protection class with cable gland C111303 (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)	3	3
Temperature range	-40°C to + 100°C	-40°C to + 100°C
Inflammability class		
Contact holder	HB - UL 94	HB - UL 94
Housing	HB - UL 94	HB - UL 94
Packaging		
Packaging unit / Weight approx.	10 pieces / 0,5Kg	10 pieces / 0,5Kg
Box dimensions	19 x 13 x 9 cm	19 x 13 x 9 cm
Other accessories options		
to be ordered separately see pages 177-181	Male M20 cable gland suitable for cable O.D. 7....13mm Order number C111303	Male M20 cable gland suitable for cable O.D. 7....13mm Order number C111303

Form A - EN 175301-803 (DIN43650) / ISO 4400

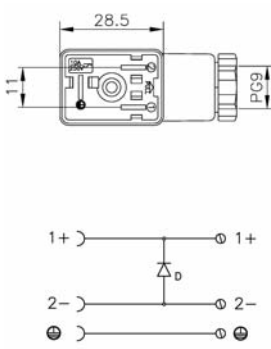
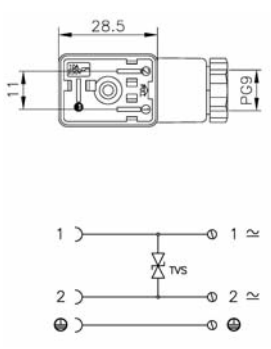


Product description			
Standard	Industrial standard (11 mm)	Industrial standard (11 mm)	
Construction type	B	B	
Description	P11 connector with screw terminals NBR profile gasket (PE) earth position H12	P11 connector with screw terminals NBR profile gasket (PE) earth position H12	
Housing colour	black	black	
Number of contacts	2+PE	2+PE	
Order no.	KB132000B9	KB132000B7	
Other options on request	grey housing, order no. KB132000A9		
Cable gland	PG9 (M16x1,5 on request)	PG7	
Max. conductor size	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm	6,3 x 0,8mm	
Voltage	250 V AC/DC max.	250 V AC/DC max.	
Rated current max.	10 A (EN 60512-5-2 test 5b)	10 A (EN 60512-5-2 test 5b)	
Suppressor			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	screw M3	screw M3	
Contact screw torque	max. 0,5 N/m	max. 0,5 N/m	
Suitable cables	5 mm to 7 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M3x32,5	central screw M3x32,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	500 pieces / 14,5Kg	500 pieces / 14,5Kg	
Box dimensions	80 x 30 x 22 cm	80 x 30 x 22 cm	
Other accessory options			
to be ordered separately see pages 177-181	NBR flat gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	

Valve Connectors **KB1** series

SELF - ASSEMBLY CABLE



	Industrial standard (11 mm)	Industrial standard (11 mm)		
	B	B		
	P11 connector with screw terminals NBR profile gasket (PE) earth position H12	P11 connector with screw terminals NBR profile gasket (PE) earth position H12		
	black	black		
	2+PE	2+PE		
	KB132D10B9	KB132T11B9		
	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)		
	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal		
				
	6,3 x 0,8mm	6,3 x 0,8mm		
	0 ... 230V DC	24 V AC/DC		
	4 A	4 A		
	Diode 1A 1000V	TVS Vbr max.=37,8V Peak=400W		
	15mΩ max.	15mΩ max.		
	III			
	screw M3	screw M3		
	max. 0,5 N/m	max. 0,5 N/m		
	5 mm to 7 mm diameter	5 mm to 7 mm diameter		
	central screw M3x32,5	central screw M3x32,5		
	CuSn silver plated	CuSn silver plated		
	PA6 GF	PA6 GF		
	PA6 GF	PA6 GF		
	IP 65 when correctly assembled	IP 65 when correctly assembled		
	3	3		
	-40°C to + 100°C	-40°C to + 100°C		
	HB - UL 94	HB - UL 94		
	HB - UL 94	HB - UL 94		
	100 pieces / 2,5Kg	100 pieces / 2,5Kg		
	29 x 15 x 18 cm	29 x 15 x 18 cm		
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag		
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag		

Form B - INDUSTRIAL



Product description		Industrial standard (11 mm)	Industrial standard (11 mm)
Standard		B	B
Construction type		P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and protective circuit (diode)	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and TVS protective circuit (transil)
Description		transparent	transparent
Housing colour		2+PE	2+PE
Number of contacts		KB132D54T9	KB132T54T9
Order no.		order no. KB132D57T9	order no. KB132T57T9
Other options on request	led colour red led colour green	order no. KB132D5AT9	order no. KB132T5AT9
Cable gland		PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size		1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	TVS Vbr max.=37,8V Peak=400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitable cables		5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Environmental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,5Kg	100 pieces / 2,5Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 177-181		NBR flat gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Stainless steel screw 100 pcs in bag

Valve Connectors **KB1** series

SELF - ASSEMBLY CABLE



	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)	
	B	B	B	
	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED)	
	transparent	transparent	transparent	
	2+PE	2+PE	2+PE	
	KB132L34T9	KB132L35T9	KB132L36T9	
	order no. KB132L37T9	order no. KB132L38T9	order no. KB132L39T9	
	order no. KB132L3AT9	order no. KB132L3BT9	order no. KB132L3CT9	
	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)	
	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	1,5mm ² without splice/terminal	
	6,3 x 0,8mm	6,3 x 0,8mm	6,3 x 0,8mm	
	24 V AC/DC	115 V AC/DC	230 V AC/DC	
	8 A	8 A	8 A	
	yellow	yellow	yellow	
	15mΩ max.	15mΩ max.	15mΩ max.	
	III	III	III	
	screw M3	screw M3	screw M3	
	max. 0,5 N/m	max. 0,5 N/m	max. 0,5 N/m	
	5 mm to 7 mm diameter	5 mm to 7 mm diameter	5 mm to 7 mm diameter	
	central screw M3x32,5	central screw M3x32,5	central screw M3x32,5	
	CuSn silver plated	CuSn silver plated	CuSn silver plated	
	PA6 GF	PA6 GF	PA6 GF	
	PA12	PA12	PA12	
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	
	3	3	3	
	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	
	HB - UL 94	HB - UL 94	HB - UL 94	
	HB - UL 94	HB - UL 94	HB - UL 94	
	100 pieces / 2,5Kg	100 pieces / 2,5Kg	100 pieces / 2,5Kg	
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	
	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	NBR flat gasket 100 pcs in bag	
	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	Stainless steel screw 100 pcs in bag	

Form B - INDUSTRIAL

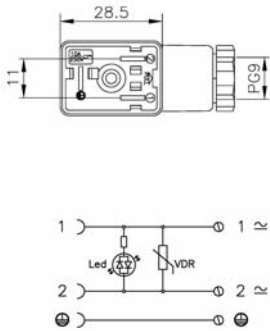


Product description			
Standard		Industrial standard (11 mm)	Industrial standard (11 mm)
Construction type		B	B
Description		P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor)
Housing colour		transparent	transparent
Number of contacts		2+PE	2+PE
Order no.		KB132V54T9	KB132V55T9
Other options on request	led colour red	order no. KB132V57T9	order no. KB132V58T9
	led colour green	order no. KB132V5AT9	order no. KB132V5BT9
Cable gland		PG9 (M16x1,5 on request)	PG9 (M16x1,5 on request)
Max. conductor size		1,5mm ² without splice/terminal	1,5mm ² without splice/terminal
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Type of termination		screw M3	screw M3
Contact screw torque		max. 0,5 N/m	max. 0,5 N/m
Suitable cables		5 mm to 7 mm diameter	5 mm to 7 mm diameter
Mounting		central screw M3x32,5	central screw M3x32,5
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Housing material		PA12	PA12
Environmental conditions			
Protection class (EN 60529)		IP 65 when correctly assembled	IP 65 when correctly assembled
Pollution severity (EN 60664-1)		3	3
Temperature range		-20°C to + 80°C	-20°C to + 80°C
Inflammability class			
Contact holder		HB - UL 94	HB - UL 94
Housing		HB - UL 94	HB - UL 94
Packaging			
Packaging unit / Weight approx.		100 pieces / 2,5Kg	100 pieces / 2,5Kg
Box dimensions		29 x 15 x 18 cm	29 x 15 x 18 cm
Other accessories options			
to be ordered separately see pages 177-181		NBR flat gasket 100 pcs in bag Stainless steel screw 100 pcs in bag	NBR flat gasket 100 pcs in bag Stainless steel screw 100 pcs in bag

Valve Connectors **KB1** series

SELF - ASSEMBLY CABLE



	Industrial standard (11 mm)		
	B		
	P11 connector with screw terminals NBR profile gasket (PE) earth position H12 function indicator (LED) and VDR protective circuit (varistor) transparent		
	2+PE		
	KB132V56T9		
	order no. KB132V59T9		
	order no. KB132V5CT9		
	PG9 (M16x1,5 on request)		
	1,5mm ² without splice/terminal		
			
	6,3 x 0,8mm		
	230 V AC/DC		
	5 A		
	VDR 275 Vrms 8,6 Joule		
	yellow		
	15mΩ max.		
	III		
	screw M3		
	max. 0,5 N/m		
	5 mm to 7 mm diameter		
	central screw M3x32,5		
	CuSn silver plated		
	PA6 GF		
	PA12		
	IP 65 when correctly assembled		
	3		
	-20°C to + 80°C		
	HB - UL 94		
	HB - UL 94		
	100 pieces / 2,5Kg		
	29 x 15 x 18 cm		
	NBR flat gasket 100 pcs in bag		
	Stainless steel screw 100 pcs in bag		

Form B - INDUSTRIAL



Form C - EN 175301-803 (DIN43650)

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	C	C	
Description	P8 connector with screw terminals NBR flat gasket (PE) earth position H6	P8 connector with screw terminals NBR flat gasket (PE) earth position H6	
Housing colour	black	black	
Number of contacts	2+PE	3+PE	
Order no.	KC136000B7	KC046000B7	
Other option on request	order no. KC135000B7 earth pos. H12	order no. KC045000B7 earth pos. H12	
Cable gland	PG7	PG7	
Max. conductor size	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm; 2,8 x 0,8mm	
Voltage	250 V AC/DC max.	250 V AC/DC max.	
Rated current max.	6 A (IEC512-3 test 5b)	6 A (IEC512-3 test 5b)	
Suppressor			
LED colour			
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	headless screw M3	headless screw M3	
Contact screw torque	max. 0,2 N/m	max. 0,2 N/m	
Suitable cables	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M2,5x27,5	central screw M2,5x27,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	1000 pieces / Kg 13	1000 pieces / Kg 13	
Box dimensions	80 x 30 x 22 cm	80 x 30 x 22 cm	
Other accessory options			
to be ordered separately see pages 177-181	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

Valve Connectors **KC0 - KC1** series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	
C	C	C	
P8 connector with screw terminals NBR flat gasket (PE) earth position H6 and protective circuit (diode)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and protective circuit (diode)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and TVS protective circuit (transil)	
black	transparent	transparent	
2+PE	2+PE	2+PE	
KC136D10B7	KC136D54T7	KC136T54T7	
order no. KC135D10B7 earth pos. H12	order no. KC136D57T7 (led colour red)	order no. KC136T57T7 (led colour red)	
PG7	PG7	PG7	
1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	
3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm; 2,8 x 0,8mm	
0...230 V DC	24 V DC	24 V AC/DC	
4 A	4 A	4 A	
diode 1A 1000V	diode 1A 1000V	TVS Vbr max.=37,8V Peak=400W	
15mΩ max.	15mΩ max.	15mΩ max.	
III	III	III	
headless screw M3 max. 0,2 N/m	headless screw M3 max. 0,2 N/m	headless screw M3 max. 0,2 N/m	
4 mm to 6 mm diameter central screw M2,5x27,5	4 mm to 6 mm diameter central screw M2,5x27,5	4 mm to 6 mm diameter central screw M2,5x27,5	
CuSn silver plated	CuSn silver plated	CuSn silver plated	
PA6 GF	PA6 GF	PA6 GF	
PA6 GF	PA12	PA12	
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	
3	3	3	
-40°C to + 100°C	-20°C to + 80°C	-20°C to + 80°C	
HB - UL 94	HB - UL 94	HB - UL 94	
HB - UL 94	HB - UL 94	HB - UL 94	
200 pieces / Kg 2,5 29 x 15 x 18 cm	200 pieces / Kg 2,6 29 x 15 x 18 cm	200 pieces / Kg 2,6 29 x 15 x 18 cm	
NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

Form C - EN 175301-803 (DIN43650)



Form C - EN 175301-803 (DIN43650)

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	C	C	
Description	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	KC136L34T7	KC136L35T7	
Other options on request	led colour red order no. KC136L37T7	order no. KC136L38T7	
Cable gland	PG7	PG7	
Max. conductor size	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	3,6 x 0,8mm; 2,8 x 0,8mm	3,6 x 0,8mm; 2,8 x 0,8mm	
Voltage	24 V AC/DC	115 V AC/DC	
Rated current max.	6 A	6 A	
Suppressor			
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	headless screw M3	headless screw M3	
Contact screw torque	max. 0,2 N/m	max. 0,2 N/m	
Suitable cables	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M2,5x27,5	central screw M2,5x27,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	200 pieces / Kg 2,6	200 pieces / Kg 2,6	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessory options			
to be ordered separately see pages 177-181	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

Valve Connectors **KC1** series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
C	C	C	C
P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)	P8 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)
transparent	transparent	transparent	transparent
2+PE	2+PE	2+PE	2+PE
KC136L36T7	KC136V54T7	KC136V55T7	KC136V56T7
order no. KC136L39T7	order no. KC136V57T7	order no. KC136V58T7	order no. KC136V59T7
PG7	PG7	PG7	PG7
1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal
3,6 x 0,8mm; 2,8 x 0,8mm 230 V AC/DC 6 A	3,6 x 0,8mm; 2,8 x 0,8mm 24 V AC/DC 5 A	3,6 x 0,8mm ; 2,8 x 0,8mm 115 V AC/DC 5 A	3,6 x 0,8mm ; 2,8 x 0,8mm 230 V AC/DC 5 A
yellow 15mΩ max.	yellow 15mΩ max.	yellow 15mΩ max.	yellow 15mΩ max.
III	III	III	III
headless screw M3 max. 0,2 N/m 4 mm to 6 mm diameter central screw M2,5x27,5	headless screw M3 max. 0,2 N/m 4 mm to 6 mm diameter central screw M2,5x27,5	headless screw M3 max. 0,2 N/m 4 mm to 6 mm diameter central screw M2,5x27,5	headless screw M3 max. 0,2 N/m 4 mm to 6 mm diameter central screw M2,5x27,5
CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12	CuSn silver plated PA6 GF PA12
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3 -20°C to + 80°C	3 -20°C to + 80°C	3 -20°C to + 80°C	3 -20°C to + 80°C
HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94	HB - UL 94 HB - UL 94
200 pieces / Kg 2,6 29 x 15 x 18 cm	200 pieces / Kg 2,6 29 x 15 x 18 cm	200 pieces / Kg 2,6 29 x 15 x 18 cm	200 pieces / Kg 2,6 29 x 15 x 18 cm
NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag

Form C - EN 175301-803 (DIN43650)



Product description			
Standard	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	
Construction type	C	C	
Description	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6	
Housing colour	black	black	
Number of contacts	2+PE	3+PE	
Order no.	KD136000B7	KD046000B7	
Other options on request	order no. KD135000B7 earth pos. H12	order no. KD045000B7 earth pos. H12	
Cable gland	PG7	PG7	
Max. conductor size	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	
Voltage	250 V AC/DC max.	250 V AC/DC max.	
Rated current max.	6 A (IEC512-3 test 5b)	6 A (IEC512-3 test 5b)	
Suppressor			
LED colour			
Contact resistance	15mΩ max.	15mΩ max.	
Overtoltage category	III	III	
Type of termination	headless screw M3	headless screw M3	
Contact screw torque	max. 0,2 N/m	max. 0,2 N/m	
Suitable cables	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M3x27,5	central screw M3x27,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA6 GF	PA6 GF	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	1000 pieces / Kg 13	1000 pieces / Kg 13	
Box dimensions	80 x 30 x 22 cm	80 x 30 x 22 cm	
Other accessory options			
to be ordered separately see pages 177-181	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

Valve Connectors **KDO - KD1** series

SELF - ASSEMBLY CABLE



	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	
	C	C	C	
	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 and protective circuit (diode)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and protective circuit (diode)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and TVS protective circuit (transil)	
	black	transparent	transparent	
	2+PE	2+PE	2+PE	
	KD136D10B7	KD136D54T7	KD136T54T7	
	order no. KD135D10B7 earth pos. H12	order no. KD136D57T7 (led colour red)	order no. KD136T57T7 (led colour red)	
	PG7	PG7	PG7	
	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	
	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	
	0...230 V DC	24 V DC	24 V AC/DC	
	4 A	4 A	4 A	
	diode 1A 1000V	diode 1A 1000V	TVS Vbr max.=37,8V Peak=400W	
	15mΩ max.	15mΩ max.	15mΩ max.	
	III	III	III	
	headless screw M3 max. 0,2 N/m	headless screw M3 max. 0,2 N/m	headless screw M3 max. 0,2 N/m	
	4 mm to 6 mm diameter	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
	central screw M3x27,5	central screw M3x27,5	central screw M3x27,5	
	CuSn silver plated	CuSn silver plated	CuSn silver plated	
	PA6 GF	PA6 GF	PA6 GF	
	PA6 GF	PA12	PA12	
	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	
	3	3	3	
	-40°C to + 100°C	-20°C to + 80°C	-20°C to + 80°C	
	HB - UL 94	HB - UL 94	HB - UL 94	
	HB - UL 94	HB - UL 94	HB - UL 94	
	200 pieces / Kg 2,5	200 pieces / Kg 2,6	200 pieces / Kg 2,6	
	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	
	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

Form C - INDUSTRIAL



Product description			
Standard	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	
Construction type	C	C	
Description	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	
Housing colour	transparent	transparent	
Number of contacts	2+PE	2+PE	
Order no.	KD136L34T7	KD136L35T7	
Other options on request	led colour red	order no. KD136L37T7	order no. KD136L38T7
Cable gland	PG7	PG7	
Max. conductor size	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	
Drawing			
Technical data			
Pin dimension	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	
Voltage	24 V AC/DC	115 V AC/DC	
Rated current max.	6 A	6 A	
Suppressor			
LED colour	yellow	yellow	
Contact resistance	15mΩ max.	15mΩ max.	
Overvoltage category	III	III	
Type of termination	headless screw M3	headless screw M3	
Contact screw torque	max. 0,2 N/m	max. 0,2 N/m	
Suitable cables	4 mm to 6 mm diameter	4 mm to 6 mm diameter	
Mounting	central screw M3x27,5	central screw M3x27,5	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Housing material	PA12	PA12	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-20°C to + 80°C	-20°C to + 80°C	
Inflammability class			
Contact holder	HB - UL 94	HB - UL 94	
Housing	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	200 pieces / Kg 2,6	200 pieces / Kg 2,6	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessory options			
to be ordered separately see pages 177-181	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	

Valve Connectors **KD1** series

SELF - ASSEMBLY CABLE



Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
C	C	C	C
P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)	P9,4 connector with screw terminals NBR flat gasket (PE) earth position H6 function indicator (LED) and VDR protective circuit (varistor)
transparent	transparent	transparent	transparent
2+PE	2+PE	2+PE	2+PE
KD136L36T7	KD136V54T7	KD136V55T7	KD136V56T7
order no. KD136L39T7	order no. KD136V57T7	order no. KD136V58T7	order no. KD136V59T7
PG7	PG7	PG7	PG7
1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal	1,0mm ² without splice/terminal
3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm	3,6 x 0,5mm; 2,8 x 0,5mm
230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
6 A	5 A	5 A	5 A
	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
headless screw M3 max. 0,2 N/m	headless screw M3 max. 0,2 N/m	headless screw M3 max. 0,2 N/m	headless screw M3 max. 0,2 N/m
4 mm to 6 mm diameter	4 mm to 6 mm diameter	4 mm to 6 mm diameter	4 mm to 6 mm diameter
central screw M3x27,5	central screw M3x27,5	central screw M3x27,5	central screw M3x27,5
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
PA12	PA12	PA12	PA12
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C	-20°C to + 80°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
200 pieces / Kg 2,6	200 pieces / Kg 2,6	200 pieces / Kg 2,6	200 pieces / Kg 2,6
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag	NBR profile gasket 100 pcs in bag

Form C - INDUSTRIAL



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard	EN175301-803	EN175301-803	
Construction type	A	A	
Description	base with central nut M3 2 screws M3x10 and 1 screw M3x4 NBR flat gasket	base with central nut M3 2 screws M3x10 and 1 screw M3x4 NBR flat gasket	
Housing colour	black	black	
Number of contacts	2+PE	3+PE	
Order no.	BA032000B0	BA042000B0	
Drawing			
Technical data			
Pin dimension	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	
Voltage	250 V AC/DC max.	250 V AC/DC max.	
Rated current max.	10 A	10 A	
Contact resistance	15mΩ max.	15mΩ max.	
Type of termination	soldered (PE contact: screwed)	soldered (PE contact: screwed)	
Max. conductor size	max. 1mm ²	max. 1mm ²	
Mounting	screw	screw	
Material			
Contact material	CuSn silver plated	CuSn silver plated	
Contact holder material	PA6 GF	PA6 GF	
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled	IP 65 when correctly assembled	
Pollution severity (EN 60664-1)	3	3	
Temperature range	-40°C to + 100°C	-40°C to + 100°C	
Inflammability class			
Contact holder material	HB - UL 94	HB - UL 94	
Housing material	HB - UL 94	HB - UL 94	
Packaging			
Packaging unit / Weight approx.	200 pieces / 3Kg	200 pieces / 3Kg	
Box dimensions	29 x 15 x 18 cm	29 x 15 x 18 cm	
Other accessory options			
to be ordered separately see pages 177-181			

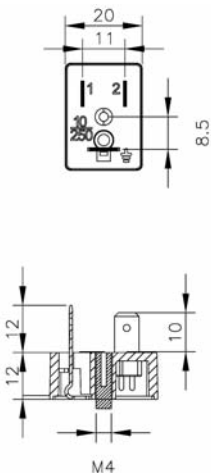
Male Bases BA0 - BA1 - BA3 series



EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
base with central nut M3 4 screws M3x10 and 1 screw M3x4 NBR flat gasket	base with central nut M3 4 screws M3x10 and 1 screw M3x4 NBR flat gasket	base with central nut M3 2 screws M3x10 and 1 screw M3x4 NBR flat gasket	base with central nut M3 2 screws M3x10 and 1 screw M3x4 NBR flat gasket
black	black	black	black
2+PE	3+PE	2+PE	3+PE
BA132000B0	BA142000B0	BA332000B0	BA342000B0
6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm
250 V AC/DC max.	250 V AC/DC max.	250 V AC/DC max	250 V AC/DC max
10 A	10 A	10 A	10 A
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
soldered (PE contact: screwed)	soldered (PE contact: screwed)	soldered (PE contact: screwed)	soldered (PE contact: screwed)
max. 1mm ²	max. 1mm ²	max. 1mm ²	max. 1mm ²
screw	screw	screw	screw
CuSn silver plated PA6 GF	CuSn silver plated PA6 GF	CuSn silver plated PA6 GF	CuSn silver plated PA6 GF
IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled	IP 65 when correctly assembled
3	3	3	3
-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
HB - UL 94	HB - UL 94	HB - UL 94	HB - UL 94
200 pieces / 3Kg 29 x 15 x 18 cm	200 pieces / 3Kg 29 x 15 x 18 cm	200 pieces / 3Kg 29 x 15 x 18 cm	200 pieces / 3Kg 29 x 15 x 18 cm

Form A - EN 175301-803 (DIN43650) / ISO 4400

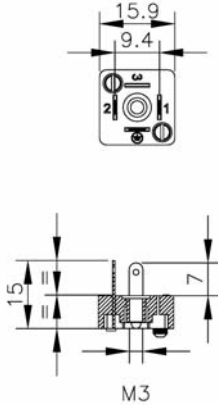
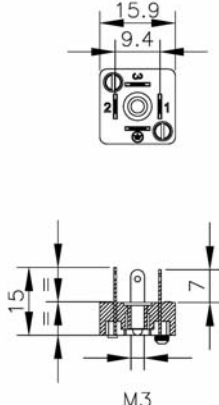


Product description			
Standard	P11 Industrial		
Construction type	B Industrial		
Description	base with central screw M3xM4 1 screw M3x6 NBR flat gasket		
Housing colour	black		
Number of contacts	2+PE		
Order no.	BB132000B0		
Drawing			
			
Technical data			
Pin dimension	6,3 x 0,8mm		
Voltage	250 V AC/DC max.		
Rated current max.	10 A		
Contact resistance	15mΩ max.		
Type of termination	soldered		
Max. conductor size	max. 1mm ²		
Mounting	screw		
Material			
Contact material	CuSn silver plated		
Contact holder material	PA6 GF		
Environmental conditions			
Protection class (EN 60529)	IP 65 when correctly assembled		
Pollution severity (EN 60664-1)	3		
Temperature range	-40°C to + 100°C		
Inflammability class			
Contact holder material	HB - UL 94		
Housing material	HB - UL 94		
Packaging			
Packaging unit / Weight approx.	200 pieces / 3Kg		
Box dimensions	29 x 15 x 18 cm		
Other accessory options			
to be ordered separately see pages 177-181			

Bases **BD1** series

SELF-ASSEMBLY CABLE



P9,4 Industrial	P9,4 Industrial		
C Industrial	C Industrial		
base with central nut M3 2 screws M3x8,5 NBR flat gasket	base with central nut M3 2 screws M3x8,5 NBR flat gasket		
black	black		
2+PE	3+PE		
BD132000B0	BD142000B0		
			
3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm		
250 V AC/DC max.	250 V AC/DC max.		
6 A	6 A		
15mΩ max.	15mΩ max.		
soldered	soldered		
max. 0,50mm ²	max. 0,50mm ²		
screw	screw		
CuSn silver plated	CuSn silver plated		
PA6 GF	PA6 GF		
IP 65 when correctly assembled	IP 65 when correctly assembled		
3	3		
-40°C to + 100°C	-40°C to + 100°C		
HB - UL 94	HB - UL 94		
HB - UL 94	HB - UL 94		
400 pieces / 4Kg	400 pieces / 4Kg		
29 x 15 x 18 cm	29 x 15 x 18 cm		

Form C INDUSTRIAL

Valve Connectors EN175301-803

MOULDED CABLE FREE END

DESCRIPTION	PAG
<p>SERIES: MA</p> 	<p>FORM A (contact spacing 18mm) STANDARD (black)56</p>
<p>SERIES: MA</p> 	<p>FORM A (contact spacing 18mm) WITH CIRCUITS (black with transparent lens).....60</p>
<p>SERIES: MB</p> 	<p>FORM B Industrial (contact spacing 11mm) STANDARD (black)72</p>
<p>SERIES: MB</p> 	<p>FORM B Industrial (contact spacing 11mm) WITH CIRCUITS (black with transparent lens)74</p>
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<p>SERIES: MD</p> 	<p>FORM C industrial (contact spacing 9,4mm) WITH CIRCUITS (transparent).....100</p>



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description		P18 connector with moulded cable (PE) earth position H12 (opposite from cable outlet)	P18 connector with moulded cable (PE) earth position H6 (next to cable outlet)
	Integrated gasket (PUR) and centralfixing screw		
Housing colour		black	black
Number of contacts		3 + PE	3 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		4 G 0,75 mm ² PVC	4 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MA245000PA05300	MA246000PA05300
Other standard options	cable length 1m cable length 5m	order no. MA245000PA05500	order no. MA246000PA05500
Cable jacket colour		black	black
Conductor colours		brown - black - grey - yellow/green	brown - black - grey - yellow/green
Cable diameter +/-5%		7,3 mm	7,3 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
MA2 serie	MA1 serie		
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		5 A	5 A
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silverplated	CuSn silverplated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pcs.	100 pcs.
Number of boxes suitable:	1 box 2 boxes 4 boxes	MA245000PA05300 MA245000PA05500	MA246000PA05300 MA246000PA05500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)			
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MA1 series

SELF - ASSEMBLY CABLE



EN175301-803-A	EN175301-803-A	EN175301-803-A	EN175301-803-A
A	A	A	A
P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable (PE) earth in H6 and H12 position
black	black	black	black
2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE not connected
H05VV-F VDE 0281-5 PVC	PVC flame (IEC60332-1) and oil resistance	PUR / PVC	H03VV-F VDE 0281-5 PVC
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	2 x 0,50 mm ² PVC
3 m	3 m	3 m	3 m
MA134000PA05300	MA134000PG05300	MA134000PP12300	MA124000PA01300
order no. MA134000PA05100			
order no. MA134000PA05500	order no. MA134000PG05500	order no. MA134000PP12500	order no. MA124000PA01500
black	grey RAL 7001	black	black
brown - blue - yellow/green	black1 - black2 - yellow/green	brown - blue - yellow/green	brown - blue
6,7 mm	6,2 mm	6,7 mm	5,0 mm
-15°C to + 70°C	-30°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C
	+ 5°C to + 70°C	-25°C to + 80°C	
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
250 V AC/DC	250 V AC/DC	250 V AC/DC	250 V AC/DC
5 A	5 A	5 A	3 A
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
central screw M3 x 25mm	central screw M3 x 25mm	central screw M3 x 25mm	central screw M3 x 25mm
0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
CuSn silverplated	CuSn silverplated	CuSn silverplated	CuSn silverplated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
TPU	TPU	TPU	TPU
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
3	3	3	3
V0	V0	V0	V0
HB	HB	HB	HB
100 pcs.	100 pcs.	100 pcs.	100 pcs.
MA134000PA05100	MA134000PG05300	MA134000PP12300	MA124000PA01300
MA134000PA05300	MA134000PG05500	MA134000PP12500	MA124000PA01500
MA134000PA05500			
13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
(A013) (C033; C053)		(P113)	(A052) (C032; C052)

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803-A	
Construction type		A	
Description		P18 connector with moulded cable protective circuit (diode)	
	Integrated gasket (PUR) and central fixing screw, (PE) earth in H6 and H12 position (bridged)		
Housing colour		black	
Number of contacts		2 + PE / PE bridged	
Cable type		H05VV-F VDE 0281-5 PVC	
Conductors specification		3 G 0,75 mm ² PVC	
Cable length		3 m	
Order no.		MA134D10PA05300	
Other standard options	cable length 5m	order no. MA134D10PA05500	
Cable jacket colour		black	
Conductor colours		brown - blue - yellow/green	
Cable diameter +/-5%		6,7 mm	
Cable temperature range	static application flexible application	-15°C to + 70°C	
Drawing			
		<p>1+ ———— Brown +</p> <p>2- ———— Blue -</p> <p>⊕ ———— Ye/Gr</p> <p>⊕ ————</p>	
Technical data			
Pin dimension		6,3 x 0,8mm; 4,8 x 0,8mm	
Voltage		0-250 V DC	
Rated current max.		4 A	
Suppressor		diode 1A 1000V	
LED colour			
Contact resistance		15mΩ max.	
Overvoltage category		III	
Mounting		central screw M3 x 25mm	
Fixing screw torque		0,3 - 0,5 N/m	
Material			
Contact material		CuSn silver plated	
Contact holder material		PA6 GF	
Overmoulding material		TPU	
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	
Pollution severity (EN 60664-1)		3	
Inflammability class			
Contact holder		V0	
Moulded housing		HB	
Packaging			
Minimum quantity		100 pieces	
Number of boxes suitable:	2 boxes	MA134D10PA05300	
	4 boxes	MA134D10PA05500	
Approximate weight per box		13...15 Kg	
Box dimension		39 x 39 x 19,5 cm	
Other cable options on request			
type (part number)		(A013) (C033; C053)	
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MA1 series

MOULDED IN CABLE



EN175301-803-A	EN175301-803-A	EN175301-803-A	
A	A	A	
P18 connector with moulded cable circuit full bridge rectifier VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier VDR suppressor (varistor)	
black	black	black	
2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	
H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	
3 m	3 m	3 m	
MA134RA1PA05300	MA134RA2PA05300	MA134RA3PA05300	
order no. MA134RA1PA05500	order no. MA134RA2PA05500	order no. MA134RA3PA05500	
black	black	black	
brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	
6,7 mm	6,7 mm	6,7 mm	
-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C	
6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	
Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC	Input 230 VAC ; Output 207 VDC	
2 A	2 A	2 A	
VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	
15mΩ max.	15mΩ max.	15mΩ max.	
III	III	III	
central screw M3 x 25mm	central screw M3 x 25mm	central screw M3 x 25mm	
0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	
CuSn silver plated	CuSn silver plated	CuSn silver plated	
PA6 GF	PA6 GF	PA6 GF	
TPU	TPU	TPU	
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
3	3	3	
V0	V0	V0	
HB	HB	HB	
100 pieces	100 pieces	100 pieces	
MA134RA1PA05300	MA134RA2PA05300	MA134RA3PA05300	
MA134RA1PA05500	MA134RA2PA05500	MA134RA3PA05500	
13...15 Kg	13...15 Kg	13...15 Kg	
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)	

Form A - EN 175301-803 (DIN43650) / ISO 4400



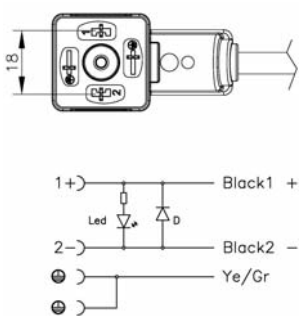
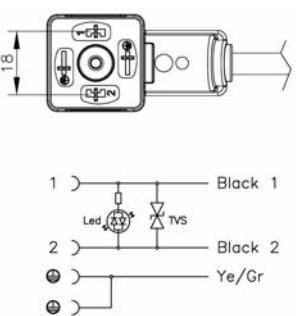
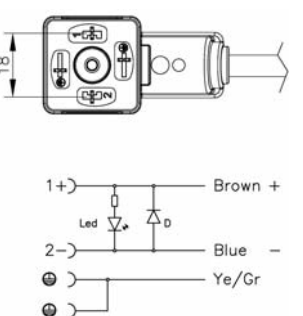
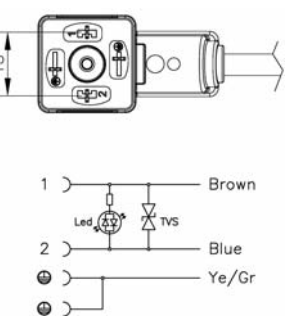
Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description		EN175301-803-A	EN175301-803-A
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description		P18 connector with moulded cable protective circuit (diode) function indicator (LED)	P18 connector with moulded cable TVS protective circuit (transil) function indicator (LED)
	Integrated gasket (PUR) and central fixing screw, (PE) earth in H6 and H12 position (bridged)		
Housing colour		black	black
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MA634D54PA05300	MA634T54PA05300
Other standard options	cable length 5m,	order no. MA634D54PA05500	order no. MA634T54PA05500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	MA634D54PA05300	MA634T54PA05300
	4 boxes	MA634D54PA05500	MA634T54PA05500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A013) (C033; C053)	(A013) (C033; C053)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MA6 series

MOULDED IN CABLE



EN175301-803-A	EN175301-803-A	EN175301-803-A	EN175301-803-A
A	A	A	A
P18 connector with moulded cable protective circuit (diode) function indicator (LED)	P18 connector with moulded cable TVS protective circuit (transil) function indicator (LED)	P18 connector with moulded cable protective circuit (diode) function indicator (LED)	P18 connector with moulded cable TVS protective circuit (transil) function indicator (LED)
black	black	black	black
2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	PUR / PVC	PUR / PVC
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
3 m	3 m	3 m	3 m
MA634D54PG05300	MA634T54PG05300	MA634D54PP12300	MA634T54PP12300
order no. MA634D54PG05500	order no. MA634T54PG05500	order no. MA634D54PP12500	order no. MA634T54PP12500
grey RAL 7001	grey RAL 7001	black	black
black1 - black2 - yellow/green	black1 - black2 - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
6,2 mm	6,2 mm	6,7 mm	6,7 mm
-30°C to + 70°C	-30°C to + 70°C	-40°C to + 80°C	-40°C to + 80°C
+ 5°C to + 70°C	+ 5°C to + 70°C	-25°C to + 80°C	-25°C to + 80°C
			
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
24 V DC	24 V AC/DC	24 V DC	24 V AC/DC
4 A	4 A	4 A	4 A
diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W	diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
TPU	TPU	TPU	TPU
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
3	3	3	3
V0	V0	V0	V0
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
MA634D54PG05300	MA634T54PG05300	MA634D54PP12300	MA634T54PP12300
MA634D54PG05500	MA634T54PG05500	MA634D54PP12500	MA634T54PP12500
13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
		(P113)	(P113)

Form A - EN 175301-803 (DIN43650) / ISO 4400



Product description		EN175301-803-A	EN175301-803-A
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	integrated gasket (PUR) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)
Housing colour		black	black
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MA634V54PA05300	MA634V55PA05300
Other standard options	cable length 5m,	order no. MA634V54PA05500	order no. MA634V55PA05500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	MA634V54PA05300	MA634V55PA05300
	4 boxes	MA634V54PA05500	MA634V55PA05500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A013) (C033; C053)	(A013) (C033; C053)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MA6 series

MOULDED IN CABLE



EN175301-803-A	EN175301-803-A	EN175301-803-A	EN175301-803-A
A	A	A	A
P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)
black	black	black	black
2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
H05VV-F VDE 0281-5 PVC	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
3 m	3 m	3 m	3 m
MA634V56PA05300	MA634V54PG05300	MA634V55PG05300	MA634V56PG05300
order no. MA634V56PA05500	order no. MA634V54PG05500	order no. MA634V55PG05500	order no. MA634V56PG05500
black	grey RAL 7001	grey RAL 7001	grey RAL 7001
brown - blue - yellow/green	black1 - black2 - yellow/green	black1 - black2 - yellow/green	black1 - black2 - yellow/green
6,7 mm	6,2 mm	6,2 mm	6,2 mm
-15°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C
	+ 5°C to + 70°C	+ 5°C to + 70°C	+ 5°C to + 70°C
6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm	6,3 x 0,8mm; 4,8 x 0,8mm
230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
5 A	5 A	5 A	5 A
VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
TPU	TPU	TPU	TPU
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
3	3	3	3
V0	V0	V0	V0
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
MA634V56PA05300	MA634V54PG05300	MA634V55PG05300	MA634V56PG05300
MA634V56PA05500	MA634V54PG05500	MA634V55PG05500	MA634V56PG05500
13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
(A013) (C033; C053)			

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	integrated gasket (PUR) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)	P18 connector with moulded cable function indicator (LED) protective circuit (varistor)
Housing colour		black	black
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MA634V54PP12300	MA634V55PP12300
Other standard options	cable length 5m,	order no. MA634V54PP12500	order no. MA634V55PP12500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-40°C to + 80°C -25°C to + 80°C	-40°C to + 80°C -25°C to + 80°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	MA634V54PP12300	MA634V55PP12300
	4 boxes	MA634V54PP12500	MA634V55PP12500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MA6 series

MOULDED IN CABLE



EN175301-803-A			
A			
P18 connector with moulded cable function indicator (LED) protective circuit (varistor)			
black			
2 + PE / PE bridged			
PUR / PVC			
3 G 0,75 mm ² PVC			
3 m			
MA634V56PP12300			
order no. MA634V56PP12500			
black			
brown - blue - yellow/green			
6,7 mm			
-40°C to + 80°C			
-25°C to + 80°C			
			
6,3 x 0,8mm ; 4,8 x 0,8mm			
230 V AC/DC			
5 A			
VDR 275 Vrms 8,6 Joule			
yellow			
15mΩ max.			
III			
central screw M3 x 28,5mm			
0,3 - 0,5 N/m			
CuSn silver plated			
PA6 GF			
TPU			
IP65 , IP67 , [IP69K DIN40050-9]			
3			
V0			
HB			
100 pieces			
MA634V56PP12300			
MA634V56PP12500			
13...15 Kg			
39 x 39 x 19,5 cm			
(P113)			

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description			
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	integrated gasket (PUR) and central fixing screw	P18 connector with moulded cable (PE) earth in H12 position function indicator bi-color LED for pressure switch device	P18 connector with moulded cable (PE) earth in H6 position function indicator bi-color LED for pressure switch device
Housing colour		black	black
Number of contacts		3 + PE	3 + PE
Cable type		CEI 2022 II O.R. PVC	CEI 2022 II O.R. PVC
Conductors specification		5 G 0,75 mm ² PVC	5 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MA635P3YPC04300	MA636P3YPC04300
Other standard options	cable length 5m cable length 6m	order no. MA635P3YPC04500	order no. MA636P3YPC04500
Cable jacket colour		grey RAL7035	grey RAL7035
Conductor colours		brown - blue - black - grey yellow/green	brown - blue - black - grey yellow/green
Cable diameter +/-5%		6,8 mm	6,8 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor			
LED colour		yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)
Contact resistance		15mΩ max.	15mΩ max.
Overtoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	MA635P3YPC04300	MA636P3YPC04300
	4 boxes	MA635P3YPC04500	MA636P3YPC04500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)			
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MA6 series

MOULDED IN CABLE



EN175301-803-A	EN175301-803-A	EN175301-803-A	
A	A	A	
P18 connector with moulded cable (PE) earth in H12 position function indicator bi-color LED for pressure switch device	P18 connector with moulded cable (PE) earth in H6 position function indicator bi-color LED for pressure switch device	P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged) function indicator (LED) and mosfet circuit (solid state relay)	
black	black	black	
3 + PE	3 + PE	2 + PE / PE bridged	
PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	
5 G 0,75 mm ² PVC	5 G 0,75 mm ² PVC	4 G 0,75 mm ² PVC	
3 m	3 m	3 m	
MA635P3YPG05300 order no. MA635P3YPG05500	MA636P3YPG05300 order no. MA636P3YPG05500	MA644A54PG05300 order no. MA644A54PG05600	
grey RAL7001	grey RAL7001	grey RAL7001	
black1 - black2 - black3 - black4 yellow/green	black1 - black2 - black3 - black4 yellow/green	black1 - black2 - black3 yellow/green	
7,3 mm	7,3 mm	6,7 mm	
-30°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C	
+ 5°C to + 70°C	+ 5°C to + 70°C	+ 5°C to + 70°C	
6,3 x 0,8mm ; 4,8 x 0,8mm 24 V AC/DC 5 A	6,3 x 0,8mm ; 4,8 x 0,8mm 24 V AC/DC 5 A	6,3 x 0,8mm ; 4,8 x 0,8mm 24 V DC 2 A	
yellow (pin 2) green (pin 3) 15mΩ max.	yellow (pin 2) green (pin 3) 15mΩ max.	yellow 15mΩ max.	
III	III	III	
central screw M3 x 28,5mm 0,3 - 0,5 N/m	central screw M3 x 28,5mm 0,3 - 0,5 N/m	central screw M3 x 28,5mm 0,3 - 0,5 N/m	
CuSn silver plated PA6 GF TPU	CuSn silver plated PA6 GF TPU	CuSn silver plated PA6 GF TPU	
IP65 , IP67 , [IP69K DIN40050-9] 3	IP65 , IP67 , [IP69K DIN40050-9] 3	IP65 , IP67 , [IP69K DIN40050-9] 3	
V0 HB	V0 HB	V0 HB	
100 pieces MA635P3YPG05300 MA635P3YPG05500 13...15 Kg 39 x 39 x 19,5 cm	100 pieces MA636P3YPG05300 MA636P3YPG05500 13...15 Kg 39 x 39 x 19,5 cm	100 pieces MA644A54PG05300 MA644A54PG05600 13...15 Kg 39 x 39 x 19,5 cm	

Form A - EN 175301-803 (DIN43650) / ISO 4400



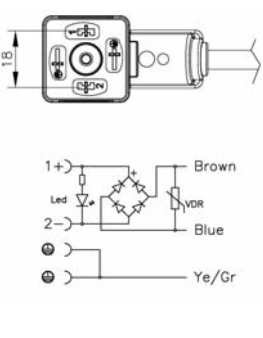
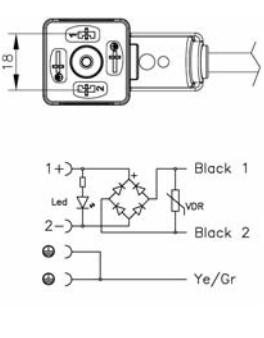
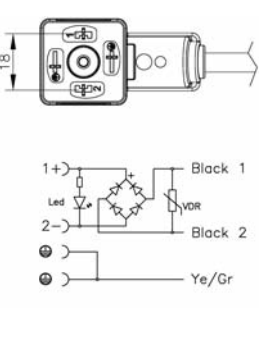
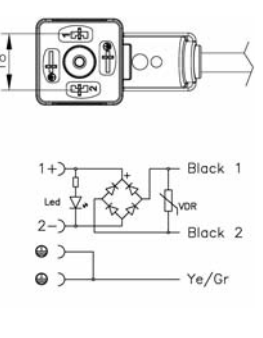
Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description		EN175301-803-A	EN175301-803-A
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	integrated gasket (PUR) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)
Housing colour		black	black
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MA634RB4PA05300	MA634RB5PA05300
Other standard options	cable length 5m,	order no. MA634RB4PA05500	order no. MA634RB5PA05500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC
Rated current max.		2 A	2 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	MA634RB4PA05300	MA634RB5PA05300
	4 boxes	MA634RB4PA05500	MA634RB5PA05500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A013) (C033; C053) (P113) (P123)	(A013) (C033; C053) (P113) (P123)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MA6 series

MOULDED IN CABLE



EN175301-803-A	EN175301-803-A	EN175301-803-A	EN175301-803-A
A	A	A	A
P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)
black	black	black	black
2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
H05VV-F VDE 0281-5 PVC	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance	PVC flame (IEC60332-1) and oil resistance
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
3 m	3 m	3 m	3 m
MA634RB6PA05300	MA634RB4PG05300	MA634RB5PG05300	MA634RB6PG05300
order no. MA634RB6PA05500	order no. MA634RB4PG05500	order no. MA634RB5PG05500	order no. MA634RB6PG05500
black	grey RAL 7001	grey RAL 7001	grey RAL 7001
brown - blue - yellow/green	black1 - black2 - yellow/green	black1 - black2 - yellow/green	black1 - black2 - yellow/green
6,7 mm	6,2 mm	6,2 mm	6,2 mm
-15°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C	-30°C to + 70°C
	+ 5°C to + 70°C	+ 5°C to + 70°C	+ 5°C to + 70°C
			
6,3 x 0,8mm ; 4,8 x 0,8mm Input 230 VAC ; Output 207 VDC 2 A VDR 275 Vrms 8,6 Joule yellow 15mΩ max. III central screw M3 x 28,5mm 0,3 - 0,5 N/m	6,3 x 0,8mm ; 4,8 x 0,8mm Input 24 VAC ; Output 20 VDC 2 A VDR 30 Vrms 0,9 Joule yellow 15mΩ max. III central screw M3 x 28,5mm 0,3 - 0,5 N/m	6,3 x 0,8mm ; 4,8 x 0,8mm Input 115 VAC ; Output 103 VDC 2 A VDR 130 Vrms 4,5 Joule yellow 15mΩ max. III central screw M3 x 28,5mm 0,3 - 0,5 N/m	6,3 x 0,8mm ; 4,8 x 0,8mm Input 230 VAC ; Output 207 VDC 2 A VDR 275 Vrms 8,6 Joule yellow 15mΩ max. III central screw M3 x 28,5mm 0,3 - 0,5 N/m
CuSn silver plated PA6 GF TPU	CuSn silver plated PA6 GF TPU	CuSn silver plated PA6 GF TPU	CuSn silver plated PA6 GF TPU
IP65 , IP67 , [IP69K DIN40050-9] 3	IP65 , IP67 , [IP69K DIN40050-9] 3	IP65 , IP67 , [IP69K DIN40050-9] 3	IP65 , IP67 , [IP69K DIN40050-9] 3
V0 HB	V0 HB	V0 HB	V0 HB
100 pieces MA634RB6PA05300 MA634RB6PA05500 13...15 Kg 39 x 39 x 19,5 cm	100 pieces MA634RB4PG05300 MA634RB4PG05500 13...15 Kg 39 x 39 x 19,5 cm	100 pieces MA634RB5PG05300 MA634RB5PG05500 13...15 Kg 39 x 39 x 19,5 cm	100 pieces MA634RB6PG05300 MA634RB6PG05500 13...15 Kg 39 x 39 x 19,5 cm
(A013) (C033; C053) (P113) (P123)	(G033)	(G033)	(G033)

Form A - EN 175301-803 (DIN43650) / ISO 4400



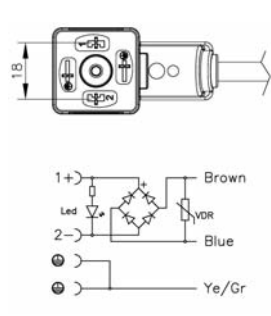
Form A - EN 175301-803 (DIN43650) / ISO 4400

Product description		EN175301-803-A	EN175301-803-A
Standard		EN175301-803-A	EN175301-803-A
Construction type		A	A
Description	integrated gasket (PUR) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)	P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)
Housing colour		black	black
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MA634RB4PP12300	MA634RB5PP12300
Other standard options	cable length 5m,	order no. MA634RB4PP12500	order no. MA634RB5PP12500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-40°C to + 80°C -25°C to + 80°C	-40°C to + 80°C -25°C to + 80°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		Input 24 VAC ; Output 20 VDC	Input 115 VAC ; Output 103 VDC
Rated current max.		2 A	2 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	MA634RB4PP12300	MA634RB5PP12300
	4 boxes	MA634RB4PP12500	MA634RB5PP12500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors **MA6** series

MOULDED IN CABLE



EN175301-803-A			
A			
P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor)			
black			
2 + PE / PE bridged			
PUR / PVC			
3 G 0,75 mm ² PVC			
3 m			
MA634RB6PP12300			
order no. MA634RB6PP12500			
black			
brown - blue - yellow/green			
6,7 mm			
-40°C to + 80°C			
-25°C to + 80°C			
			
6,3 x 0,8mm ; 4,8 x 0,8mm			
Input 230 VAC ; Output 207 VDC			
2 A			
VDR 275 Vrms 8,6 Joule			
yellow			
15mΩ max.			
III			
central screw M3 x 28,5mm			
0,3 - 0,5 N/m			
CuSn silver plated			
PA6 GF			
TPU			
IP65 , IP67 , [IP69K DIN40050-9]			
3			
V0			
HB			
100 pieces			
MA634RB6PP12300			
MA634RB6PP12500			
13...15 Kg			
39 x 39 x 19,5 cm			
(P113)			

Form A - EN 175301-803 (DIN43650) / ISO 4400




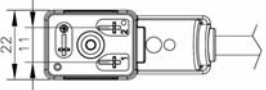
Product description		Industrial standard (11 mm)	Industrial standard (11 mm)
Standard		B	B
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MB136000PA05300	MB135000PA05300
Other standard options	cable length 1m	order no. MB136000PA05100	order no. MB135000PA05100
	cable length 5m	order no. MB136000PA05500	order no. MB135000PA05500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application	-15°C to + 70°C	-15°C to + 70°C
	flexible application		
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		5 A	5 A
Suppressor			
LED colour			
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 25mm	central screw M3 x 25mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silverplated	CuSn silverplated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pcs.	100 pcs.
Number of boxes suitable :	1 box	MB136000PA05100	MB135000PA05100
	2 boxes	MB136000PA05300	MB135000PA05300
	4 boxes	MB136000PA05500	MB135000PA05500
Approximate weight per box		13....15 Kg	13....15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012; A013) (C033; C053)	(A012; A013) (C033; C053)
Technical specifications on cables and accessories see pages 177-181			

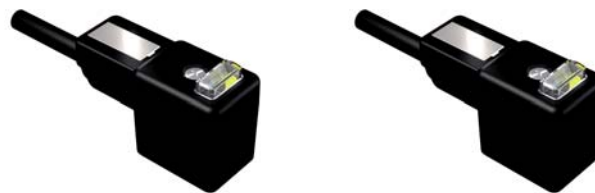
Valve Connectors MB1 series

MOULDED IN CABLE



Form B - INDUSTRIAL

Industrial standard (11 mm)	Industrial standard (11 mm)		
B	B		
P11 connector with moulded cable (PE) earth in H6 (next to cable outlet)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet)		
black	black		
2 + PE	2 + PE		
PUR / PVC	PUR / PVC		
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC		
3 m	3 m		
MB136000PP12300	MB135000PP12300		
order no. MB136000PP12500	order no. MB135000PP12500		
black	black		
brown - blue - yellow/green	brown - blue - yellow/green		
6,7 mm	6,7 mm		
-40°C to + 80°C	-40°C to + 80°C		
-25°C to + 80°C	-25°C to + 80°C		
 <p>1 ——— Brown 2 ——— Blue ⊕ ——— Ye/Gr</p>	 <p>1 ——— Brown 2 ——— Blue ⊕ ——— Ye/Gr</p>		
6,3 x 0,8mm	6,3 x 0,8mm		
250 V AC/DC	250 V AC/DC		
5 A	5 A		
15mΩ max.	15mΩ max.		
III	III		
central screw M3 x 25mm	central screw M3 x 25mm		
0,3 - 0,5 N/m	0,3 - 0,5 N/m		
CuSn silverplated	CuSn silverplated		
PA6 GF	PA6 GF		
TPU	TPU		
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
3	3		
V0	V0		
HB	HB		
100 pcs.	100 pcs.		
MB136000PP12300	MB135000PP12300		
MB136000PP12500	MB135000PP12500		
13....15 Kg	13....15 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
(P113)	(P113)		

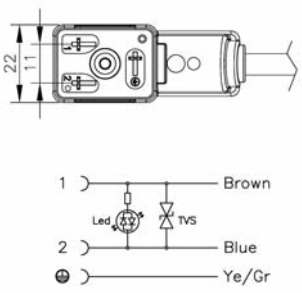
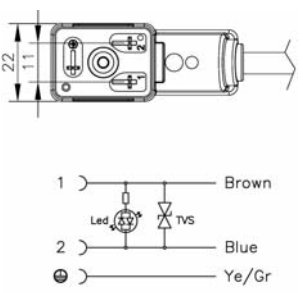


Product description		Industrial standard (11 mm)	Industrial standard (11 mm)
Standard		B	B
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MB636D54PA05300	MB635D54PA05300
Other standard options	cable length 5m,	order no. MB636D54PA05500	order no. MB635D54PA05500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	MB636D54PA05300	MB635D54PA05300
	4 boxes	MB636D54PA05500	MB635D54PA05500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012; A013) (C033; C053)	(A012; A013) (C033; C053)
Technical specifications on cables and accessories see pages 177-181			

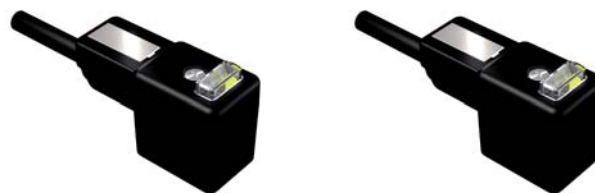
Valve Connectors MB6 series

MOULDED IN CABLE



	Industrial standard (11 mm)	Industrial standard (11 mm)		
	B	B		
	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil)		
	black	black		
	2 + PE	2 + PE		
	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC		
	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC		
	3 m	3 m		
	MB636T54PA05300	MB635T54PA05300		
	order no. MB636T54PA05500	order no. MB635T54PA05500		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	6,7 mm	6,7 mm		
	-15°C to + 70°C	-15°C to + 70°C		
				
	6,3 x 0,8mm	6,3 x 0,8mm		
	24 V AC/DC	24 V AC/DC		
	4 A	4 A		
	TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M3 x 28,5mm	central screw M3 x 28,5mm		
	0,3 - 0,5 N/m	0,3 - 0,5 N/m		
	CuSn silver plated	CuSn silver plated		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pieces	100 pieces		
	MB636T54PA05300	MB635T54PA05300		
	MB636T54PA05500	MB635T54PA05500		
	13...15 Kg	13...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(A012; A013) (C033; C053)	(A012; A013) (C033; C053)		

Form B - INDUSTRIAL



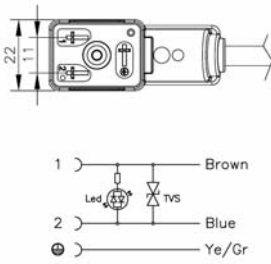
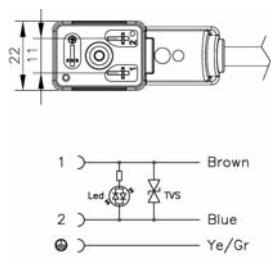
Product description		Industrial standard (11 mm)	Industrial standard (11 mm)
Standard		B	B
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MB636D54PP12300	MB635D54PP12300
Other standard options	cable length 5m,	order no. MB636D54PP12500	order no. MB635D54PP12500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,5 mm	6,5 mm
Cable temperature range	static application flexible application	-40°C to + 80°C -25°C to + 80°C	-40°C to + 80°C -25°C to + 80°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes 4 boxes	MB636D54PP12300 MB636D54PP12500	MB635D54PP12300 MB635D54PP12500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MB6 series

MOULDED IN CABLE



Form B - INDUSTRIAL

Industrial standard (11 mm)	Industrial standard (11 mm)		
B	B		
P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil)		
black	black		
2 + PE	2 + PE		
PUR / PVC	PUR / PVC		
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC		
3 m	3 m		
MB636T54PP12300	MB635T54PP12300		
order no. MB636T54PP12500	order no. MB635T54PP12500		
black	black		
brown - blue - yellow/green	brown - blue - yellow/green		
6,5 mm	6,5 mm		
-40°C to + 80°C	-40°C to + 80°C		
-25°C to + 80°C	-25°C to + 80°C		
			
6,3 x 0,8mm	6,3 x 0,8mm		
24 V AC/DC	24 V AC/DC		
4 A	4 A		
TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
yellow	yellow		
15mΩ max.	15mΩ max.		
III	III		
central screw M3 x 28,5mm	central screw M3 x 28,5mm		
0,3 - 0,5 N/m	0,3 - 0,5 N/m		
CuSn silver plated	CuSn silver plated		
PA6 GF	PA6 GF		
TPU	TPU		
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
3	3		
V0	V0		
HB	HB		
100 pieces	100 pieces		
MB636T54PP12300	MB635T54PP12300		
MB636T54PP12500	MB635T54PP12500		
13...15 Kg	13...15 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
(P113)	(P113)		



Product description			
Standard		Industrial standard (11 mm)	Industrial standard (11 mm)
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MB636V54PA05300	MB635V54PA05300
Other standard options	cable length 5m,	order no. MB636V54PA05500	order no. MB635V54PA05500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 30 Vrms 0,9 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	MB636V54PA05300	MB635V54PA05300
	4 boxes	MB636V54PA05500	MB635V54PA05500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A013) (C033; C053)	(A013) (C033; C053)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MB6 series

MOULDED IN CABLE



	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)
	B	B	B	B
	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
	black	black	black	black
	2 + PE	2 + PE	2 + PE	2 + PE
	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
	3 m	3 m	3 m	3 m
	MB636V55PA05300	MB635V55PA05300	MB636V56PA05300	MB635V56PA05300
	order no. MB636V55PA05500	order no. MB635V55PA05500	order no. MB636V56PA05500	order no. MB635V56PA05500
	black	black	black	black
	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	6,7 mm	6,7 mm	6,7 mm	6,7 mm
	-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C
	6,3 x 0,8mm	6,3 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	115 V AC/DC	115 V AC/DC	230 V AC/DC	230 V AC/DC
	5 A	5 A	5 A	5 A
	VDR 130 Vrms 4,5 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MB636V55PA05300	MB635V55PA05300	MB636V56PA05300	MB635V56PA05300
	MB636V55PA05500	MB635V55PA05500	MB636V56PA05500	MB635V56PA05500
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)

Form B - INDUSTRIAL



Product description		Industrial standard (11 mm)	Industrial standard (11 mm)
Standard		B	B
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		MB636V54PP12300	MB635V54PP12300
Other standard options	cable length 5m,	order no. MB636V54PP12500	order no. MB635V54PP12500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-40°C to + 80°C -25°C to + 80°C	-40°C to + 80°C -25°C to + 80°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm	6,3 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 30 Vrms 0,9 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	MB636V54PP12300	MB635V54PP12300
	4 boxes	MB636V54PP12500	MB635V54PP12500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MB6 series

MOULDED IN CABLE

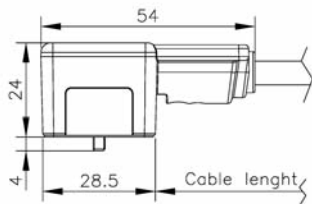
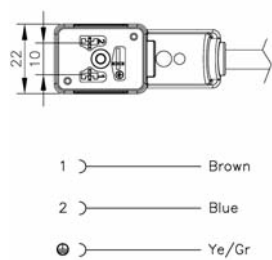
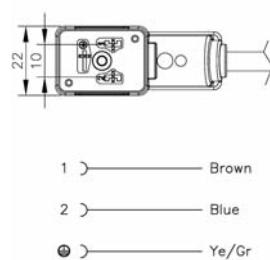


	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)	Industrial standard (11 mm)
	B	B	B	B
	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
	black	black	black	black
	2 + PE	2 + PE	2 + PE	2 + PE
	PUR / PVC	PUR / PVC	PUR / PVC	PUR / PVC
	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
	3 m	3 m	3 m	3 m
	MB636V55PP12300	MB635V55PP12300	MB636V56PP12300	MB635V56PP12300
	order no. MB636V55PP12500	order no. MB635V55PP12500	order no. MB636V56PP12500	order no. MB635V56PP12500
	black	black	black	black
	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	6,7 mm	6,7 mm	6,7 mm	6,7 mm
	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
	6,3 x 0,8mm	6,3 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
	115 V AC/DC	115 V AC/DC	230 V AC/DC	230 V AC/DC
	5 A	5 A	5 A	5 A
	VDR 130 Vrms 4,5 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MB636V55PP12300	MB635V55PP12300	MB636V56PP12300	MB635V56PP12300
	MB636V55PP12500	MB635V55PP12500	MB636V56PP12500	MB635V56PP12500
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(P113)	(P113)	(P113)	(P113)

Form B - INDUSTRIAL




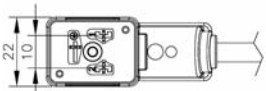
Form B - EN 175301-803 (DIN43650) / ISO 6952

Product description		EN175301-803	EN175301-803
Standard		B	B
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		ME136000PA05300	ME135000PA05300
Other standard options	cable length 1m, cable length 5m,	order no. ME136000PA05100 order no. ME136000PA05500	order no. ME135000PA05100 order no. ME135000PA05500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		5 A	5 A
Suppressor			
LED colour			
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 25mm	central screw M3 x 25mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silverplated	CuSn silverplated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pcs.	100 pcs.
Number of boxes suitable:	1 box	ME136000PA05100	ME135000PA05100
	2 boxes	ME136000PA05300	ME135000PA05300
	4 boxes	ME136000PA05500	ME135000PA05500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012; A013) (C033; C053)	(A012; A013) (C033; C053)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors **ME1** series

SELF - ASSEMBLY CABLE



EN175301-803	EN175301-803		
B	B		
P10 connector with moulded cable (PE) earth in H6 (next to cable outlet)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet)		
black	black		
2 + PE	2 + PE		
PUR / PVC	PUR / PVC		
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC		
3 m	3 m		
ME136000PP12300	ME135000PP12300		
order no. ME136000PP125500	order no. ME135000PP125500		
black	black		
brown - blue - yellow/green	brown - blue - yellow/green		
6,5 mm	6,5 mm		
-40°C to + 80°C	-40°C to + 80°C		
-25°C to + 80°C	-25°C to + 80°C		
 1 ——— Brown 2 ——— Blue ⊕ ——— Ye/Gr	 1 ——— Brown 2 ——— Blue ⊕ ——— Ye/Gr		
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm		
250 V AC/DC	250 V AC/DC		
5 A	5 A		
15mΩ max.	15mΩ max.		
III	III		
central screw M3 x 25mm	central screw M3 x 25mm		
0,3 - 0,5 N/m	0,3 - 0,5 N/m		
CuSn silverplated	CuSn silverplated		
PA6 GF	PA6 GF		
TPU	TPU		
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
3	3		
V0	V0		
HB	HB		
100 pcs.	100 pcs.		
ME136000PP12300	ME135000PP12300		
ME136000PP12500	ME135000PP12500		
13...15 Kg	13...15 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
(P113)	(P113)		

Form B - EN 175301-803 (DIN43650) / ISO 6952



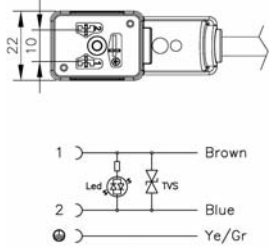
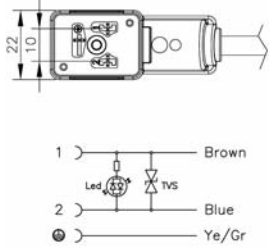
Form B - EN 175301-803 (DIN43650) / ISO 6952

Product description			
Standard		EN175301-803	EN175301-803
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		ME636D54PA05300	ME635D54PA05300
Other standard options	cable length 5m,	order no. ME636D54PA05500	order no. ME635D54PA05500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overtoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	ME636D54PA05300	ME635D54PA05300
	4 boxes	ME636D54PA05500	ME635D54PA05500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012; A013) (C033; C053)	(A012; A013) (C033; C053)
Technical specifications on cables and accessories see pages 177-181			

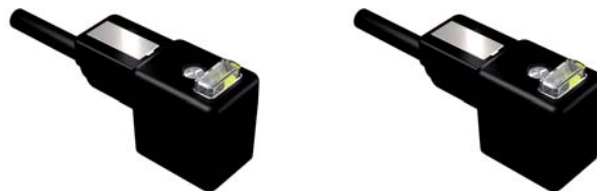
Valve Connectors **ME6** series

MOULDED IN CABLE



EN175301-803	EN175301-803		
B	B		
P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil)		
black	black		
2 + PE	2 + PE		
H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC		
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC		
3 m	3 m		
ME636T54PA05300	ME635T54PA05300		
order no. ME636T54PA05500	order no. ME635T54PA05500		
black	black		
brown - blue - yellow/green	brown - blue - yellow/green		
6,7 mm	6,7 mm		
-15°C to + 70°C	-15°C to + 70°C		
			
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm		
24 V AC/DC	24 V AC/DC		
4 A	4 A		
TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
yellow	yellow		
15mΩ max.	15mΩ max.		
III	III		
central screw M3 x 28,5mm	central screw M3 x 28,5mm		
0,3 - 0,5 N/m	0,3 - 0,5 N/m		
CuSn silver plated	CuSn silver plated		
PA6 GF	PA6 GF		
TPU	TPU		
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
3	3		
V0	V0		
HB	HB		
100 pieces	100 pieces		
ME636T54PA05300	ME635T54PA05300		
ME636T54PA05500	ME635T54PA05500		
13...15 Kg	13...15 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
(A012; A013) (C033; C053)	(A012; A013) (C033; C053)		

Form B - EN 175301-803 (DIN43650) / ISO 6952



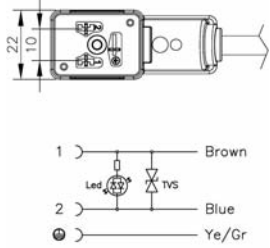
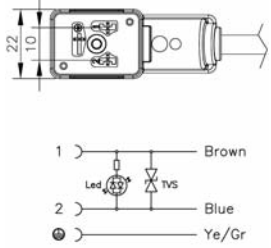
Form B - EN 175301-803 (DIN43650) / ISO 6952

Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		ME636D54PP12300	ME635D54PP12300
Other standard options	cable length 5m,	order no. ME636D54PP12500	order no. ME635D54PP12500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,5 mm	6,5 mm
Cable temperature range	static application flexible application	-40°C to + 80°C -25°C to + 80°C	-40°C to + 80°C -25°C to + 80°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V DC	24 V DC
Rated current max.		4 A	4 A
Suppressor		diode 1A 1000V	diode 1A 1000V
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Oversoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	ME636D54PP12300	ME635D54PP12300
	4 boxes	ME636D54PP12500	ME635D54PP12500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors **ME6** series

MOULDED IN CABLE



EN175301-803	EN175301-803		
B	B		
P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil)		
black	black		
2 + PE	2 + PE		
PUR / PVC	PUR / PVC		
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC		
3 m	3 m		
ME636T54PP12300	ME635T54PP12300		
order no. ME636T54PP12500	order no. ME635T54PP12500		
black	black		
brown - blue - yellow/green	brown - blue - yellow/green		
6,5 mm	6,5 mm		
-40°C to + 80°C	-40°C to + 80°C		
-25°C to + 80°C	-25°C to + 80°C		
			
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm		
24 V DC	24 V AC/DC		
4 A	4 A		
TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
yellow	yellow		
15mΩ max.	15mΩ max.		
III	III		
central screw M3 x 28,5mm	central screw M3 x 28,5mm		
0,3 - 0,5 N/m	0,3 - 0,5 N/m		
CuSn silver plated	CuSn silver plated		
PA6 GF	PA6 GF		
TPU	TPU		
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
3	3		
V0	V0		
HB	HB		
100 pieces	100 pieces		
ME636T54PP12300	ME635T54PP12300		
ME636T54PP12500	ME635T54PP12500		
13...15 Kg	13...15 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
(P113)	(P113)		

Form B - EN 175301-803 (DIN43650) / ISO 6952



Form B - EN 175301-803 (DIN43650) / ISO 6952

Product description			
Standard		EN175301-803	EN175301-803
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		ME636V54PA05300	ME635V54PA05300
Other standard options	cable length 5m,	order no. ME636V54PA05500	order no. ME635V54PA05500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 30 Vrms 0,9 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overtoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	ME636V54PA05300	ME635V54PA05300
	4 boxes	ME636V54PA05500	ME635V54PA05500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A013) (C033; C053)	(A013) (C033; C053)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors ME6 series

MOULDED IN CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
B	B	B	B
P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
black	black	black	black
2 + PE	2 + PE	2 + PE	2 + PE
H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC	H05VV-F VDE 0281-5 PVC
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
3 m	3 m	3 m	3 m
ME636V55PA05300	ME635V55PA05300	ME636V56PA05300	ME635V56PA05300
order no. ME636V55PA05500	order no. ME635V55PA05500	order no. ME636V56PA05500	order no. ME635V56PA05500
black	black	black	black
brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
6,7 mm	6,7 mm	6,7 mm	6,7 mm
-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C	-15°C to + 70°C
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
115 V AC/DC	115 V AC/DC	230 V AC/DC	230 V AC/DC
5 A	5 A	5 A	5 A
VDR 130 Vrms 4,5 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	VDR 275 Vrms 8,6 Joule
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
TPU	TPU	TPU	TPU
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
3	3	3	3
V0	V0	V0	V0
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
ME636V55PA05300	ME635V55PA05300	ME636V56PA05300	ME635V56PA05300
ME636V55PA05500	ME635V55PA05500	ME636V56PA05500	ME635V56PA05500
13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)	(A013) (C033; C053)

Form B - EN 175301-803 (DIN43650) / ISO 6952



Form B - EN 175301-803 (DIN43650) / ISO 6952

Product description			
Standard		EN175301-803	EN175301-803
Construction type		B	B
Description	integrated gasket (PUR) and central fixing screw	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR / PVC	PUR / PVC
Conductors specification		3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
Cable length		3 m	3 m
Order no.		ME636V54PP12300	ME635V54PP12300
Other standard options	cable length 5m,	order no. ME636V54PP12500	order no. ME635V54PP12500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		6,7 mm	6,7 mm
Cable temperature range	static application flexible application	-40°C to + 80°C -25°C to + 80°C	-40°C to + 80°C -25°C to + 80°C
Drawing			
Technical data			
Pin dimension		6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		5 A	5 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 30 Vrms 0,9 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 28,5mm	central screw M3 x 28,5mm
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	ME636V54PP12300	ME635V54PP12300
	4 boxes	ME636V54PP12500	ME635V54PP12500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(P113)	(P113)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors ME6 series

MOULDED IN CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
B	B	B	B
P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor)	P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor)
black	black	black	black
2 + PE	2 + PE	2 + PE	2 + PE
PUR / PVC	PUR / PVC	PUR / PVC	PUR / PVC
3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC	3 G 0,75 mm ² PVC
3 m	3 m	3 m	3 m
ME636V55PP12300	ME635V55PP12300	ME636V56PP12300	ME635V56PP12300
order no. ME636V55PP12500	order no. ME635V55PP12500	order no. ME636V56PP12500	order no. ME635V56PP12500
black	black	black	black
brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
6,7 mm	6,7 mm	6,7 mm	6,7 mm
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm	6,3 x 0,8mm ; 4,8 x 0,8mm
115 V AC/DC	115 V AC/DC	230 V AC/DC	230 V AC/DC
5 A	5 A	5 A	5 A
VDR 130 Vrms 4,5 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule	VDR 275 Vrms 8,6 Joule
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm	central screw M3 x 28,5mm
0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
TPU	TPU	TPU	TPU
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
3	3	3	3
V0	V0	V0	V0
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
ME636V55PP12300	ME635V55PP12300	ME636V56PP12300	ME635V56PP12300
ME636V55PP12500	ME635V55PP12500	ME636V56PP12500	ME635V56PP12500
13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
(P113)	(P113)	(P113)	(P113)

Form B - EN 175301-803 (DIN43650) / ISO 6952



Form C - EN 175301-803 (DIN43650)

Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		C	C
Description	integrated gasket (PUR) and central fixing screw	P8 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P8 connector with moulded cable (PE) earth position H6 (next to cable outlet)
Housing colour		black	black
Number of contacts		2 + PE / PE bridged	3 + PE
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm ² PVC	4 G 0,5 mm ² PVC
Cable length		3 m	3 m
Order no.		MC134000PA01300	MC146000PA01300
Other standard options	cable length 1m, cable length 5m,	order no. MC134000PA01100 order no. MC134000PA01500	
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - black - grey - yellow/green
Cable diameter +/-5%		5,5 mm	6,1 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		3 A	3 A
Suppressor			
LED colour			
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M2,5 x 23mm	central screw M2,5 x 23mm
Fixing screw torque		0,3 - 0,4 N/m	0,3 - 0,4 N/m
Material			
Contact material		CuSn silverplated	CuSn silverplated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pcs.	100 pcs.
Number of boxes suitable :	1 box 2 boxes 4 boxes	MC134000PA01100 MC134000PA01300 MC134000PA01500	MC146000PA01300
Approximate weight per box		13....15 Kg	13....15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012)	
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MC1 series

MOULDED IN CABLE



EN175301-803	EN175301-803	EN175301-803	
C	C	C	
P8 connector with moulded cable (PE) earth position H12 (opposite from cable outlet)	P8 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P8 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	
black	black	black	
3 + PE	2 + PE / PE bridged	2 + PE / PE bridged	
H03VV-F VDE 0281-5 PVC	PUR / PVC	CEI 2022 II O.R. PVC	
4 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC	
3 m	3 m	3 m	
MC145000PA01300	MC134000PP11300	MC134000PC03300	
	order no. MC134000PP11500	order no. MC134000PC03500	
black	black	grey RAL 7032	
brown - black - grey - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	
6,1 mm	5,5 mm	5,5 mm	
-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	
	-25°C to + 80°C		
<p>1 — Brown 2 — Grey 3 — Black ⊕ — Ye/Gr</p>	<p>1 — Brown 2 — Blue ⊕ — Ye/Gr</p>	<p>1 — Brown 2 — Blue ⊕ — Ye/Gr</p>	
3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	
250 V AC/DC	250 V AC/DC	250 V AC/DC	
3 A	3 A	3 A	
15mΩ max.	15mΩ max.	15mΩ max.	
III	III	III	
central screw M2,5 x 23mm	central screw M2,5 x 23mm	central screw M2,5 x 23mm	
0,3 - 0,4 N/m	0,3 - 0,4 N/m	0,3 - 0,4 N/m	
CuSn silverplated	CuSn silverplated	CuSn silverplated	
PA6 GF	PA6 GF	PA6 GF	
TPU	TPU	TPU	
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
3	3	3	
V0	V0	V0	
HB	HB	HB	
100 pcs.	100 pcs.	100 pcs.	
MC145000PA01300	MC134000PP11300 MC134000PP11500	MC134000PC03300 MC134000PC03500	
13...15 Kg	13...15 Kg	13...15 Kg	
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
	(P112)	(C032)	

Form C - EN 175301-803 (DIN43650)



Form C - EN 175301-803 (DIN43650)

Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		C	C
Description		P8 connector with moulded cable function indicator (LED) protective circuit (diode)	P8 connector with moulded cable function indicator (LED) TVS protective circuit (transil)
	integrated gasket (PUR) and central fixing screw (PE) earth in H6 and H12 position (bridged)		
Housing colour		transparent	transparent
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC
Cable length		3 m	3 m
Order no.		MC634D54TA01300	MC634T54TA01300
Other standard options	cable length 5m,	order no. MC634D54TA01500	order no. MC634T54TA01500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
Voltage		24 V DC	24 V AC/DC
Rated current max.		3 A	3 A
Suppressor		diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M2,5 x 23	central screw M2,5 x 23
Fixing screw torque		0,3 - 0,4 N/m	0,3 - 0,4 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	MC634D54TA01300	MC634T54TA01300
	4 boxes	MC634D54TA01500	MC634T54TA01500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012) (C033; C032)	(A012) (C033; C032)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MC6 series

MOULDED IN CABLE



EN175301-803	EN175301-803		
C	C		
P8 connector with moulded cable function indicator (LED) protective circuit (diode)	P8 connector with moulded cable function indicator (LED) TVS protective circuit (transil)		
transparent	transparent		
2 + PE / PE bridged	2 + PE / PE bridged		
PUR / PVC	PUR / PVC		
3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC		
3 m	3 m		
MC634D54TP11300	MC634T54TP11300		
order no. MC634D54TP11500	order no. MC634T54TP11500		
black	black		
brown - blue - yellow/green	brown - blue - yellow/green		
5,5 mm	5,5 mm		
-40°C to + 80°C	-40°C to + 80°C		
-25°C to + 80°C	-25°C to + 80°C		
3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm		
24 V DC	24 V AC/DC		
3 A	3 A		
diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W		
yellow	yellow		
15mΩ max.	15mΩ max.		
III	III		
central screw M2,5 x 23	central screw M2,5 x 23		
0,3 - 0,4 N/m	0,3 - 0,4 N/m		
CuSn silver plated	CuSn silver plated		
PA6 GF	PA6 GF		
TPU	TPU		
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
3	3		
V0	V0		
HB	HB		
100 pieces	100 pieces		
MC634D54TP11300	MC634T54TP11300		
MC634D54TP11500	MC634T54TP11500		
13...15 Kg	13...15 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
(P112)	(P112)		

Form C - EN 175301-803 (DIN43650)



Form C - EN 175301-803 (DIN43650)

Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		C	C
Description	integrated gasket (PUR) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)
Housing colour		transparent	transparent
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC
Cable length		3 m	3 m
Order no.		MC634V54TA01300	MC634V55TA01300
Other standard options	cable length 5m,	order no. MC634V54TA01500	order no. MC634V55TA01500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		3 A	3 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M2,5 x 23	central screw M2,5 x 23
Fixing screw torque		0,3 - 0,4 N/m	0,3 - 0,4 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	MC634V54TA01300	MC634V55TA01300
	4 boxes	MC634V55TA01500	MC634V55TA01500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012) (C033; C032)	(A012) (C033; C032)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MC6 series

MOULDED IN CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
C	C	C	C
P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)
transparent	transparent	transparent	transparent
2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
H03VV-F VDE 0281-5 PVC	PUR / PVC	PUR / PVC	PUR / PVC
3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC
3 m	3 m	3 m	3 m
MC634V56TA01300	MC634V54TP11300	MC634V55TP11300	MC634V56TP11300
order no. MC634V56TA01500	order no. MC634V54TP11500	order no. MC634V55TP11500	order no. MC634V56TP11500
black	black	black	black
brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
5,5 mm	5,5 mm	5,5 mm	5,5 mm
-15°C to + 70°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
3 A	3 A	3 A	3 A
VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
central screw M2,5 x 23	central screw M2,5 x 23	central screw M2,5 x 23	central screw M2,5 x 23
0,3 - 0,4 N/m	0,3 - 0,4 N/m	0,3 - 0,4 N/m	0,3 - 0,4 N/m
CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
PA6 GF	PA6 GF	PA6 GF	PA6 GF
TPU	TPU	TPU	TPU
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
3	3	3	3
V0	V0	V0	V0
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
MC634V56TA01300	MC634V54TP11300	MC634V55TP11300	MC634V56TP11300
MC634V56TA01500	MC634V54TP11500	MC634V55TP11500	MC634V56TP11500
13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
(A012) (C033; C032)	(P112)	(P112)	(P112)

Form C - EN 175301-803 (DIN43650)



Product description		Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
Standard		C	C
Construction type		C	C
Description	integrated gasket (PUR) and central fixing screw	P9,4 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P9,4 connector with moulded cable (PE) earth position H6 (next to cable outlet)
Housing colour		black	black
Number of contacts		2 + PE / PE bridged	3 + PE
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm ² PVC	4 G 0,5 mm ² PVC
Cable length		3 m	3 m
Order no.		MD134000PA01300	MD146000PA01300
Other standard options	cable length 1m, cable length 5m,	order no. MD134000PA01100 order no. MD134000PA01500	
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - black - grey - yellow/green
Cable diameter +/-5%		5,5 mm	6,1 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm
Voltage		250 V AC/DC	250 V AC/DC
Rated current max.		3 A	3 A
Suppressor			
LED colour			
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 23	central screw M3 x 23
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silverplated	CuSn silverplated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pcs.	100 pcs.
Number of boxes suitable:	1 box	MD134000PA01100	
	2 boxes	MD134000PA01300	MD146000PA01300
	4 boxes	MD134000PA01500	
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012)	
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MD1 series

MOULDED IN CABLE



	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	
	C	C	C	
	P9,4 connector with moulded cable (PE) earth position H12 (opposite from cable outlet)	P9,4 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	P9,4 connector with moulded cable (PE) earth in H6 and H12 position (bridged)	
	black	black	black	
	3 + PE	2 + PE / PE bridged	2 + PE / PE bridged	
	H03VV-F VDE 0281-5 PVC	PUR / PVC	CEI 2022 II O.R. PVC	
	4 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC	
	3 m	3 m	3 m	
	MD145000PA01300	MD134000PP11300	MD134000PC03300	
		order no. MD134000PP11500	order no. MD134000PC03500	
	black	black	grey RAL 7032	
	brown - black - grey - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	
	6,1 mm	5,0 mm	5,5 mm	
	-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	
	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm	
	250 V AC/DC	250 V AC/DC	250 V AC/DC	
	3 A	3 A	3 A	
	15mΩ max.	15mΩ max.	15mΩ max.	
	III	III	III	
	central screw M3 x 23	central screw M3 x 23	central screw M3 x 23	
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	
	CuSn silverplated	CuSn silverplated	CuSn silverplated	
	PA6 GF	PA6 GF	PA6 GF	
	TPU	TPU	TPU	
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	
	3	3	3	
	V0	V0	V0	
	HB	HB	HB	
	100 pcs.	100 pcs.	100 pcs.	
	MD145000PA01300	MD134000PP11300 MD134000PP11500	MD134000PC03300 MD134000PC03500	
	13...15 Kg	13...15 Kg	13...15 Kg	
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	
		(P112)	(C032)	

Form C - INDUSTRIAL

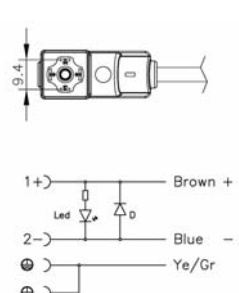
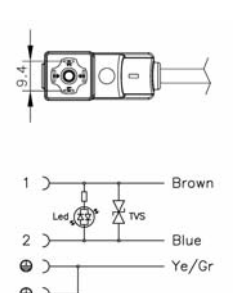


Product description		Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
Standard		C	C
Construction type		C	C
Description		P9,4 connector with moulded cable function indicator (LED) protective circuit (diode)	P9,4 connector with moulded cable function indicator (LED) TVS protective circuit (transil)
	integrated gasket (PUR) and central fixing screw (PE) earth in H6 and H12 position (bridged)		
Housing colour		transparent	transparent
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC
Cable length		3 m	3 m
Order no.		MD634D54TA01300	MD634T54TA01300
Other standard options	cable length 5m,	order no. MD634D54TA01500	order no. MD634T54TA01500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm
Voltage		24 V DC	24 V AC/DC
Rated current max.		3 A	3 A
Suppressor		diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 23	central screw M3 x 23
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	MD634D54TA01300	MD634T54TA01300
	4 boxes	MD634D54TA01500	MD634T54TA01500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012) (C033; C032)	(A012) (C033; C032)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MD6 series

MOULDED IN CABLE



	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)		
	C	C		
	P9,4 connector with moulded cable function indicator (LED) protective circuit (diode)	P9,4 connector with moulded cable function indicator (LED) TVS protective circuit (transil)		
	transparent	transparent		
	2 + PE / PE bridged	2 + PE / PE bridged		
	PUR / PVC	PUR / PVC		
	3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC		
	3 m	3 m		
	MD634D54TP11300	MD634T54TP11300		
	order no. MD634D54TP11500	order no. MD634T54TP11500		
	black	black		
	brown - blue - yellow/green	brown - blue - yellow/green		
	5,0 mm	5,0 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
				
	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm		
	24 V DC	24 V AC/DC		
	3 A	3 A		
	diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	central screw M3 x 23	central screw M3 x 23		
	0,3 - 0,5 N/m	0,3 - 0,5 N/m		
	CuSn silver plated	CuSn silver plated		
	PA6 GF	PA6 GF		
	TPU	TPU		
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
	3	3		
	V0	V0		
	HB	HB		
	100 pieces	100 pieces		
	MD634D54TP11300	MD634T54TP11300		
	MD634D54TP11500	MD634T54TP11500		
	13...15 Kg	13...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
	(P112)	(P112)		

Form C - INDUSTRIAL



Product description		Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
Standard		C	C
Construction type		C	C
Description	integrated gasket (PUR) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)
Housing colour		transparent	transparent
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC
Cable length		3 m	3 m
Order no.		MD634V54TA01300	MD634V55TA01300
Other standard options	cable length 5m,	order no. MD634V54TA01500	order no. MD634V55TA01500
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
Drawing			
Technical data			
Pin dimension		3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		3 A	3 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M3 x 23	central screw M3 x 23
Fixing screw torque		0,3 - 0,5 N/m	0,3 - 0,5 N/m
Material			
Contact material		CuSn silver plated	CuSn silver plated
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
Environmental conditions			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder		V0	V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	MD634V54TA01300	MD634V55TA01300
	4 boxes	MD634V54TA01500	MD634V55TA01500
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Other cable options on request			
type (part number)		(A012)	(A012)
Technical specifications on cables and accessories see pages 177-181			

Valve Connectors MD6 series

MOULDED IN CABLE





















	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)	Industrial standard (9,4 mm)
	C	C	C	C
	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)	P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor)
	transparent	transparent	transparent	transparent
	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
	H03VV-F VDE 0281-5 PVC	PUR / PVC	PUR / PVC	PUR / PVC
	3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC	3 G 0,5 mm ² PVC
	3 m	3 m	3 m	3 m
	MD634V56TA01300	MD634V54TP11300	MD634V55TP11300	MD634V56TP11300
	order no. MD634V56TA01500	order no. MD634V54TP11500	order no. MD634V55TP11500	order no. MD634V56TP11500
	black	black	black	black
	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
	5,0 mm	5,0 mm	5,0 mm	5,0 mm
	-15°C to + 70°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
		-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm	3,6 x 0,5mm ; 2,8 x 0,5mm
	230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
	3 A	3 A	3 A	3 A
	VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
	yellow	yellow	yellow	yellow
	15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
	III	III	III	III
	central screw M3 x 23	central screw M3 x 23	central screw M3 x 23	central screw M3 x 23
	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m	0,3 - 0,5 N/m
	CuSn silver plated	CuSn silver plated	CuSn silver plated	CuSn silver plated
	PA6 GF	PA6 GF	PA6 GF	PA6 GF
	TPU	TPU	TPU	TPU
	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
	3	3	3	3
	V0	V0	V0	V0
	HB	HB	HB	HB
	100 pieces	100 pieces	100 pieces	100 pieces
	MD634V56TA01300	MD634V54TP11300	MD634V55TP11300	MD634V56TP11300
	MD634V56TA01500	MD634V54TP11500	MD634V55TP11500	MD634V56TP11500
	13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
	(A012)	(P112)	(P112)	(P112)

Form C - INDUSTRIAL

Valve connectors EN 175301-803

MOULDED CABLE AND M12 CONNECTORS

DESCRIPTION	PAG
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SERIES: JA + M12 angled male 	FORM A (contact spacing 18mm) Valve connector with circuits (black with transparent lens) with M12 angled male connector107
SERIES: YA + M12 straight male 	FORM A (contact spacing 18mm) Double valve connector with circuits (black with transparent lens) with M12 Y straight male connector114
SERIES: JDA + M12 straight male 	FORM A (contact spacing 18mm) Valve connector with circuits (transparent) with M12 straight male adaptor119
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SERIES: YD + M12 straight male 	FORM C industrial (contact spacing 9,4mm) Double valve connector with circuits (transparent) with M12 Y straight male connector118



Form A - EN 175301-803 (DIN43650) / ISO 4400 + M12

Product description			
Standard		IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803
Construction type		A	A
Description	M12 male and P18 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		black	black
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm ²	0,50 mm ²
Cable length		1 m	1 m
Order no.		JA634T54DP11100	JA634T54KP11100
Other standard options	cable length 2m,	order no. JA634T54DP11200	order no. JA634T54KP11200
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		<p>▷ Code A</p>	<p>▷ Code A</p>
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12x1; central screw M3x28,5mm	lock nut M12x1; central screw M3x28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/ 61 GF blue; PA6 GF	PA6T/ 61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Environmental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	JA634T54DP11100	JA634T54KP11100
	2 boxes	JA634T54DP11200	JA634T54KP11200
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Jumper Connectors JA series

MOULDED IN CABLE + M12



IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803
A	A	A	A
(PE) earth in H12 position function indicator bi-color LED for pressure switch device	(PE) earth in H6 position function indicator bi-color LED for pressure switch device	(PE) earth in H12 position function indicator bi-color LED for pressure switch device	(PE) earth in H6 position function indicator bi-color LED for pressure switch device
black	black	black	black
3 + PE	3 + PE	3 + PE	3 + PE
PUR/PVC	PUR/PVC	PUR/PVC	PUR/PVC
0,25 mm ²	0,25 mm ²	0,25 mm ²	0,25 mm ²
1 m	1 m	1 m	1 m
JA655P3YDP25100	JA656P3YDP25100	JA655P3YKP25100	JA656P3YKP25100
order no. JA655P3YDP25200	order no. JA656P3YDP25200	order no. JA655P3YKP25200	order no. JA656P3YKP25200
black	black	black	black
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
▷ Code A	▷ Code A	▷ Code A	▷ Code A
1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
4 A	4 A	4 A	4 A
yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
lock nut M12x1; central screw M3x28,5mm 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	lock nut M12x1; central screw M3x28,5mm 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	lock nut M12x1; central screw M3x28,5mm 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	lock nut M12x1; central screw M3x28,5mm 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m
CuSn gold plated; CuSn silver plated PA6T/ 61 GF blue; PA6 GF TPU Zamak 15 / ZnAl4Cu1	CuSn gold plated; CuSn silver plated PA6T/ 61 GF blue; PA6 GF TPU Zamak 15 / ZnAl4Cu1	CuSn gold plated; CuSn silver plated PA6T/ 61 GF blue; PA6 GF TPU Zamak 15 / ZnAl4Cu1	CuSn gold plated; CuSn silver plated PA6T/ 61 GF blue; PA6 GF TPU Zamak 15 / ZnAl4Cu1
IP67	IP67	IP67	IP67
3	3	3	3
UL; V0 HB	UL; V0 HB	UL; V0 HB	UL; V0 HB
100 pieces JA655P3YDP25100 JA655P3YDP25200 10...15 Kg 39 x 39 x 19,5 cm	100 pieces JA656P3YDP25100 JA656P3YDP25200 10...15 Kg 39 x 39 x 19,5 cm	100 pieces JA655P3YKP25100 JA655P3YKP25200 10...15 Kg 39 x 39 x 19,5 cm	100 pieces JA656P3YKP25100 JA656P3YKP25200 10...15 Kg 39 x 39 x 19,5 cm

Form A - EN 175301-803 (DIN43650) / ISO 4400



Product description			
Standard		IEC 61076-2-101 ; INDUSTRIAL 11mm	IEC 61076-2-101 ; INDUSTRIAL 11mm
Construction type		B	B
Description	M12 male and P11 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm ²	0,50 mm ²
Cable length		1 m	1 m
Order no.		JB636T54DP11100	JB635T54DP11100
Other standard options	cable length 2m,	order no. JB636T54DP11200	order no. JB635T54DP11200
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application flexible application	-40°C to + 80°C -25°C to + 80°C	-40°C to + 80°C -25°C to + 80°C
Drawing			
		<p>▷ Code A</p>	<p>▷ Code A</p>
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Environmental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	JB636T54DP11100	JB635T54DP11100
	2 boxes	JB636T54DP11200	JB635T54DP11200
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			



IEC 61076-2-101 ; INDUSTRIAL 11mm B	IEC 61076-2-101 ; INDUSTRIAL 11mm B		
(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)		
black	black		
2 + PE	2 + PE		
PUR/PVC	PUR/PVC		
0,50 mm ²	0,50 mm ²		
1 m	1 m		
JB636T54KP11100	JB635T54KP11100		
order no. JB636T54KP11200	order no. JB635T54KP11200		
black	black		
5,5 mm	5,5 mm		
-40°C to + 80°C	-40°C to + 80°C		
-25°C to + 80°C	-25°C to + 80°C		
1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm		
24 V AC/DC	24 V AC/DC		
4 A	4 A		
TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
yellow	yellow		
15mΩ max.	15mΩ max.		
III	III		
lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm		
0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m		
CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated		
PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF		
TPU	TPU		
Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1		
IP67	IP67		
3	3		
UL; V0	UL; V0		
HB	HB		
100 pieces	100 pieces		
JB636T54KP11100	JB635T54KP11100		
JB636T54KP11200	JB635T54KP11200		
10...15 Kg	10...15 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		



Form B - EN 175301-803 (DIN43650) / ISO 6952

Product description			
Standard		IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803
Construction type		B	B
Description	M12 male and P10 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm ²	0,50 mm ²
Cable length		1 m	1 m
Order no.		JE636T54DP11100	JE635T54DP11100
Other standard options	cable length 2m,	order no. JE636T54DP11200	order no. JE635T54DP11200
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing			
		<p>▷ Code A</p>	<p>▷ Code A</p>
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Environmental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	JE636T54DP11100	JE635T54DP11100
	2 boxes	JE636T54DP11200	JE635T54DP11200
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			



	IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803		
	B	B		
	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)		
	black	black		
	2 + PE	2 + PE		
	PUR/PVC	PUR/PVC		
	0,50 mm ²	0,50 mm ²		
	1 m	1 m		
	JE636T54KP11100	JE635T54KP11100		
	order no. JE636T54KP11200	order no. JE635T54KP11200		
	black	black		
	5,5 mm	5,5 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm		
	24 V AC/DC	24 V AC/DC		
	4 A	4 A		
	TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
	yellow	yellow		
	15mΩ max.	15mΩ max.		
	III	III		
	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm		
	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m		
	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated		
	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF		
	TPU	TPU		
	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1		
	IP67	IP67		
	3	3		
	UL; V0	UL; V0		
	HB	HB		
	100 pieces	100 pieces		
	JE636T54KP11100	JE635T54KP11100		
	JE636T54KP11200	JE635T54KP11200		
	10...15 Kg	10...15 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

Form B - EN 175301-803 (DIN43650) / ISO 6952

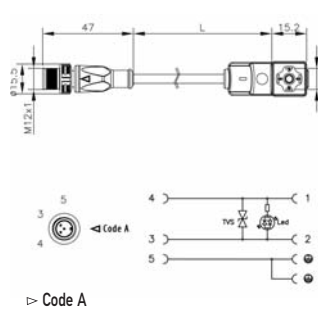
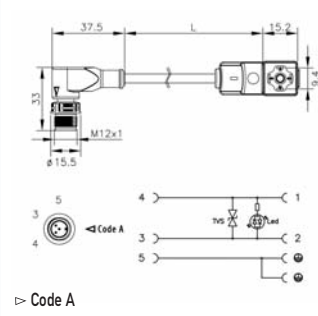


Product description		
Standard		IEC 61076-2-101; EN175301-803
Construction type		C
Description	M12 male and P8 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		M12=black ; P8=transparent
Number of contacts		2 + PE / PE bridged
Cable type		PUR/PVC
Conductors specification		0,50 mm ²
Cable length		1 m
Order no.		JC634T54DP11100
Other standard options	cable length 2m,	order no. JC634T54DP11200
Cable jacket colour		black
Cable diameter +/-5%		5,5 mm
Temperature range	static application	-40°C to + 80°C
	flexible application	-25°C to + 80°C
Drawing		
		<p>Code A</p>
		<p>Code A</p>
Technical data		
Pin dimension	M12 ; valve connector	1 mm; 3,6 x 0,8mm / 2,8 x 0,8mm
Voltage		24 V AC/DC
Rated current max.		4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W
LED colour		yellow
Contact resistance		15mΩ max.
Overvoltage category		III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M2,5 x 23mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,4 N/m
Material		
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1
Environmental conditions		
Protection class (EN 60529)		IP67
Pollution severity (EN 60664-1)		3
Inflammability class		
Contact holder	M12 ; valve connector	UL; V0
Moulded housing		HB
Packaging		
Minimum quantity		100 pieces
Number of boxes suitable :	1 box	JC634T54DP11100
	2 boxes	JC634T54DP11200
Approximate weight per box		10...15 Kg
Box dimension		39 x 39 x 19,5 cm
Notes		
Technical specifications on cables and accessories see pages 177-181		

Jumper Connectors JD series

MOULDED IN CABLE



Product description		IEC 61076-2-101; INDUSTRIAL (9,4mm)	IEC 61076-2-101; INDUSTRIAL (9,4mm)
Standard		IEC 61076-2-101; INDUSTRIAL (9,4mm)	IEC 61076-2-101; INDUSTRIAL (9,4mm)
Construction type		C	C
Description	M12 male and P9,4 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		M12=black ; P9,4=transparent	M12=black ; P9,4=transparent
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm ²	0,50 mm ²
Cable length		1 m	1 m
Order no.		JD634T54DP11100	JD634T54KP11100
Other standard options	cable length 2m,	order no. JD634T54DP11200	order no. JD634T54KP11200
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Temperature range	static application flexible application	-40°C to + 80°C -25°C to + 80°C	-40°C to + 80°C -25°C to + 80°C
Drawing			
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 3,6 x 0,5mm / 2,8 x 0,5mm	1 mm; 3,6 x 0,5mm / 2,8 x 0,5mm
Rated voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 23mm	lock nut M12 x 1; central screw M3 x 23mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Environmental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box 2 boxes	JD634T54DP11100 JD634T54DP11200	JD634T54KP11100 JD634T54KP11200
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Form C - INDUSTRIAL + M12



Form A - EN 175301-803 (DIN43650) ISO 4400+M12Y Distributor

Product description		
Standard		IEC 61076-2-101 ; EN175301-803
Construction type		A
Description	M12 Y male distributor and P18 valve connector with moulded cable, integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		black
Number of contacts		2 + PE / PE bridged
Cable type		PUR/PVC
Conductors specification		0,50 mm ²
Cable length		1 m
Order no.		YA634T54DP11100
Other standard options	cable length 2m,	order no. YA634T54DP11200
Cable jacket colour		black
Cable diameter +/-5%		5,5 mm
Temperature range	static application flexible application	-40°C to + 80°C -25°C to + 80°C
Drawing		
<p>▷ Code A</p>		
Technical data		
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC
Rated current max.		4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W
LED colour		yellow
Contact resistance		15mΩ max.
Overvoltage category		III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material		
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1
Environmental conditions		
Protection class (EN 60529)		IP67
Pollution severity (EN 60664-1)		3
Inflammability class		
Contact holder	M12 ; valve connector	UL; V0
Moulded housing		HB
Packaging		
Minimum quantity		100 pieces
Number of boxes suitable :	1 box	YA634T54DP11100
	2 boxes	YA634T54DP11200
Approximate weight per box		10...15 Kg
Box dimension		39 x 39 x 19,5 cm
Notes		
Technical specifications on cables and accessories see pages 177-181		

Jumper connectors YB series

MOULDED IN CABLE + M12 Y DISTRIBUTOR



Product description		
Standard		IEC 61076-2-101 ; INDUSTRIAL 11mm
Construction type		B
Description	M12 Y male distributor and P11 valve connector with moulded cable, integrated gasket and central fixing screw	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)
Housing colour		black
Number of contacts		2 + PE
Cable type		PUR/PVC
Conductors specification		0,50 mm ²
Cable length		1 m
Order no.		YB636T54DP11100
Other standard options	cable length 2m,	order no. YB636T54DP11200
Cable jacket colour		black
Cable diameter +/-5%		5,5 mm
Temperature range	static application	-40°C to + 80°C
	flexible application	-25°C to + 80°C
Drawing		
		<p>Code A</p>
Technical data		
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC
Rated current max.		4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W
LED colour		yellow
Contact resistance		15mΩ max.
Overvoltage category		III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material		
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1
Environmental conditions		
Protection class (EN 60529)		IP67
Pollution severity (EN 60664-1)		3
Inflammability class	M12 ; valve connector	UL; V0
Contact holder		HB
Moulded housing		HB
Packaging		
Minimum quantity		100 pieces 1 box
Number of boxes suitable :	1 box	YB636T54DP11100
	2 boxes	YB636T54DP11200
Approximate weight per box		10...15 Kg
Box dimension		39 x 39 x 19,5 cm
Notes		
Technical specifications on cables and accessories see pages 177-181		

Form B - INDUSTRIAL + M12Y Distributor



Form B - EN 175301-803 (DIN43650) / ISO 6952 + M12 Y Distributor

Product description		
Standard		IEC 61076-2-101 ; EN175301-803
Construction type		B
Description	M12 Y male distributor and P10 valve connector with moulded cable, integrated gasket and central fixing screw	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)
Housing colour		black
Number of contacts		2 + PE
Cable type		PUR/PVC
Conductors specification		0,50 mm ²
Cable length		1 m
Order no.		YE636T54DP11100
Other standard options	cable length 2m,	order no. YE636T54DP11200
Cable jacket colour		black
Cable diameter +/-5%		5,5 mm
Temperature range	static application	-40°C to + 80°C
	flexible application	-25°C to + 80°C
Drawing		
		<p>▷ Code A</p>
Technical data		
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC
Rated current max.		4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W
LED colour		yellow
Contact resistance		15mΩ max.
Overvoltage category		III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material		
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T / 61 GF blue; PA6 GF
Overmoulding material		TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1
Environmental conditions		
Protection class (EN 60529)		IP67
Pollution severity (EN 60664-1)		3
Inflammability class		
Contact holder	M12 ; valve connector	UL; V0
Moulded housing		HB
Packaging		
Minimum quantity		100 pieces
Number of boxes suitable:	1 box	YE636T54DP11100
	2 boxes	YE636T54DP11200
Approximate weight per box		10...15 Kg
Box dimension		39 x 39 x 19,5 cm
Notes		
Technical specifications on cables and accessories see pages 177-181		



Product description			
Standard		IEC 61076-2-101; INDUSTRIAL (9,4mm)	
Construction type		C	
Description		M12 Y straight male distributor and P9,4 valve connector with moulded cable, integrated gasket and central fixing screw (PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)	
Housing colour		M12= black ; P9,4 = transparent	
Number of contacts		2 + PE / PE bridged	
Cable type		PUR/PVC	
Conductors specification		0,50 mm ²	
Cable length		1 m	
Order no.		YD634T54DP11100	
Other standard options	cable length 2m,	order no. YD634T54DP11200	
Cable jacket colour		black	
Cable diameter +/-5%		5,5 mm	
Temperature range	static application	-40°C to + 80°C	
	flexible application	-25°C to + 80°C	
Drawing		<p>Code A</p>	
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 3,6 x 0,5mm / 2,8 x 0,5mm	
Voltage		24 V AC/DC	
Rated current max.		4 A	
Suppressor		TVS Vbr max.=37,8V Peak =400W	
LED colour		yellow	
Contact resistance		15mΩ max.	
Overvoltage category		III	
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 23mm	
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	
Contact holder material	M12 ; valve connector	PA6T / 61 GF blue; PA6 GF	
Overmoulding material		TPU	
Coupling nut material		Zamak 15 / ZnAl4Cu1	
Environmental conditions			
Protection class (EN 60529)		IP67	
Pollution severity (EN 60664-1)		3	
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	
Moulded housing		HB	
Packaging			
Minimum quantity		100 pieces	
Number of boxes suitable:	1 box	YD634T54DP11100	
	2 boxes	YD634T54DP11200	
Approximate weight per box		10...15 Kg	
Box dimension		39 x 39 x 19,5 cm	
Notes			
Technical specifications on cables and accessories see pages 177-181			

Adaptors JDA series

MOULDED IN CABLE



IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803	IEC 61076-2-101 ; EN175301-803	
A	A	A	
Adaptor M12 straight male to P18 valve connector integrated gasket and central fixing screw (PE) earth in H6 and H12 position (bridged) function indicator (LED) and TVS protective circuit (transil) transparent	Adaptor M12 straight male to P18 valve connector integrated gasket and central fixing screw (PE) earth in H12 position function indicator bi-color LED for pressure switch device transparent	Adaptor M12 straight male to P18 valve connector integrated gasket and central fixing screw (PE) earth in H6 position function indicator bi-color LED for pressure switch device transparent	
2 + PE / PE bridged	3 + PE	3 + PE	
JDA34T54M12	JDA55P3YM12	JDA56P3YM12	
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	
<p>Code A</p>	<p>Code A</p>	<p>Code A</p>	
1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	
24 V AC/DC	24 V AC/DC	24 V AC/DC	
4 A	4 A	4 A	
TVS Vbr max.=37,8V Peak =400W			
yellow	yellow (pin 2) green (pin 3)	yellow (pin 2) green (pin 3)	
15mΩ max.	15mΩ max.	15mΩ max.	
III	III	III	
lock nut M12 x 1; central screw M3 x 25mm	lock nut M12 x 1; central screw M3 x 25mm	lock nut M12 x 1; central screw M3 x 25mm	
0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	
CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated	
PA6T / 61 GF blue; PA6 GF	PA6T / 61 GF blue; PA6 GF	PA6T / 61 GF blue; PA6 GF	
TPU	TPU	TPU	
Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	
IP67	IP67	IP67	
3	3	3	
UL; V0	UL; V0	UL; V0	
HB	HB	HB	
100 pieces	100 pieces	100 pieces	
JDA34T54M12	JDA55P3YM12	JDA56P3YM12	
3...4 Kg	3...4 Kg	3...4 Kg	
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	

Form A - EN 175301-803 (DIN43650) / ISO 4400 + M12

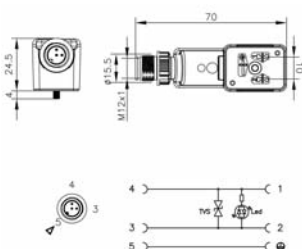
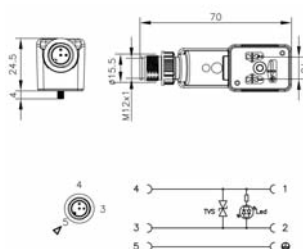


Product description			
Standard		IEC 61076-2-101 ; INDUSTRIAL 11mm	IEC 61076-2-101 ; INDUSTRIAL 11mm
Construction type		B	B
Description		Adaptor M12 male to P11 valve connector integrated gasket and central fixing screw (PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	Adaptor M12 male to P11 valve connector integrated gasket and central fixing screw (PE) earth in H12 function indicator (LED) TVS protective circuit (transil)
Housing colour		transparent	transparent
Number of contacts		2 + PE	2 + PE
Cable type			
Conductors specification			
Cable length			
Order no.		JDB36T54M12	JDB35T54M12
Other standard options			
Cable jacket colour			
Cable diameter +/-5%			
Temperature range	static application flexible application		
Drawing		<p>▷ Code A</p>	<p>▷ Code A</p>
Technical data			
Pin dimension	M12 ; valve connector	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Voltage		24 V AC/DC	24 V AC/DC
Rated current max.		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M3 x 25mm	lock nut M12 x 1; central screw M3 x 25mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m
Material			
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Environmental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder	M12 ; valve connector	UL; V0	UL; V0
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	1 box	JDB36T54M12	JDB35T54M12
Approximate weight per box		3...4 Kg	3...4 Kg
Box dimension		29 x 15 x 18 cm	29 x 15 x 18 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Adaptors JDE series

MOULDED IN CABLE











IEC 61076-2-101; EN175301-803 B	IEC 61076-2-101; EN175301-803 B		
Adaptor M12 straight male to P10 connector integrated gasket and central fixing screw fixing screw (PE) earth in H6 function indicator (LED) TVS protective circuit (transil) transparent	Adaptor M12 straight male to P10 connector integrated gasket and central fixing screw fixing screw (PE) earth in H12 function indicator (LED) TVS protective circuit (transil) transparent		
2 + PE	2 + PE		
JDE36T54M12	JDE35T54M12		
			
▷ Code A	▷ Code A		
1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm		
24 V AC/DC	24 V AC/DC		
4 A	4 A		
TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
yellow	yellow		
15mΩ max.	15mΩ max.		
III	III		
lock nut M12 x 1; central screw M3 x 25mm	lock nut M12 x 1; central screw M3 x 25mm		
0,5 - 0,8 N/m; 0,3 - 0,5 N/m	0,5 - 0,8 N/m; 0,3 - 0,5 N/m		
CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated		
PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF		
TPU	TPU		
Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1		
IP67	IP67		
3	3		
UL; V0	UL; V0		
HB	HB		
100 pieces	100 pieces		
JDE36T54M12	JDE35T54M12		
3...4 Kg	3...4 Kg		
29 x 15 x 18 cm	29 x 15 x 18 cm		

Form B - EN 175301-803 (DIN43650) / ISO 6952 + M12

Circular connectors

M12 CONNECTORS

DESCRIPTION	PAG
SERIES: AD12S 	M12 straight male 3-4-5 poles with moulded cable free end..... 124
SERIES: AK12S 	M12 angled male 3-4-5 poles with moulded cable free end..... 126
SERIES: AD12B 	M12 straight female 3-4-5 poles with moulded cable free end..... 128
SERIES: AK12B 	M12 angled female 3-4-5 poles with moulded cable free end..... 130
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SERIES: ED2BD2 	M12 straight male to M12 straight female 3-4-5 poles..... 134
SERIES: EK2BD2 	M12 straight male to M12 angled female 3-4-5 poles 136
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M12 Straight Male

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style LM	D Style LM
Description		Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, straight version with M12 locking nut, male contacts
Housing colour		black	black
Type of contact		male	male
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y
Conductor specification		0,34 mm ²	0,34 mm ²
Cable length		2 m	2 m
Order no.		AD12S3C34200	AD12S3P34200
Other standard options	cable length 5m, cable length 10m,	order no. AD12S3C34500 order no. AD12S3C3410X	order no. AD12S3P34500 order no. AD12S3P3410X
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-15°C to + 70°C	-40°C to + 80°C -25°C to + 80°C
Drawing		<p> 1 ————— Brown 3 ————— Blue 4 ————— Black </p> <p>▷ Code A</p>	<p> 1 ————— Brown 3 ————— Blue 4 ————— Black </p> <p>▷ Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	AD12S3C34200	AD12S3P34200
	2 boxes	AD12S3C34500	AD12S3P34500
	4 boxes	AD12S3C3410X	AD12S3P3410X
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors **AD12** series

MOULDED IN CABLE + M12



M12 straight Male

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D Style LM	D Style LM	D Style LM	D Style LM
Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, straight version with M12 locking nut, male contacts
black	black	black	black
male	male	male	male
4	4	5	5
PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
0,34 mm ²	0,34 mm ²	0,25 mm ²	0,25 mm ²
2 m	2 m	2 m	2 m
AD12S4C34200	AD12S4P34200	AD12S5C25200	AD12S5P25200
order no. AD12S4C34500	order no. AD12S4P34500	order no. AD12S5C25500	order no. AD12S5P25500
order no. AD12S4C3410X	order no. AD12S4P3410X	order no. AD12S5C2510X	order no. AD12S5P2510X
grey RAL7035	black matt	grey RAL7035	black matt
brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
	-25°C to + 80°C		-25°C to + 80°C
<p> 1) ————— Brown 2) ————— White 3) ————— Blue 4) ————— Black </p> <p>▷ Code A</p>	<p> 1) ————— Brown 2) ————— White 3) ————— Blue 4) ————— Black </p> <p>▷ Code A</p>	<p> 1) ————— Brown 2) ————— White 3) ————— Blue 4) ————— Black 5) ————— Grey </p> <p>▷ Code A</p>	<p> 1) ————— Brown 2) ————— White 3) ————— Blue 4) ————— Black 5) ————— Grey </p> <p>▷ Code A</p>
1 mm	1 mm	1 mm	1 mm
250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
4 A	4 A	4 A	4 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
TPU	TPU	TPU	TPU
Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
IP 67	IP 67	IP 67	IP 67
3	3	3	3
UL	UL	UL	UL
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
AD12S4C34200	AD12S4P34200	AD12S5C25200	AD12S5P25200
AD12S4C34500	AD12S4P34500	AD12S5C25500	AD12S5P25500
AD12S4C3410X	AD12S4P3410X	AD12S5C2510X	AD12S5P2510X
10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm



Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style MM	D Style MM
Description		Non-rewireable connector, right angled version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts
Housing colour		black	black
Type of contact		male	male
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y
Conductor specification		0,34 mm ²	0,34 mm ²
Cable length		2 m	2 m
Order no.		AK12S3C34200	AK12S3P34200
Other standard options	cable length 5m, cable length 10m,	order no. AK12S3C34500 order no. AK12S3C3410X	order no. AK12S3P34500 order no. AK12S3P3410X
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-15°C to + 70°C	-40°C to + 80°C -25°C to + 80°C
Drawing		<p>> Code A</p>	<p>> Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	AK12S3C34200	AK12S3P34200
	2 boxes	AK12S3C34500	AK12S3P34500
	4 boxes	AK12S3C3410X	AK12S3P3410X
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors **AK12** series

MOULDED IN CABLE

M12 Angled Male



IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D Style MM	D Style MM	D Style MM	D Style MM
Non-rewireable connector, right angled version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts
black	black	black	black
male	male	male	male
4	4	5	5
PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
0,34 mm ²	0,34 mm ²	0,25 mm ²	0,25 mm ²
2 m	2 m	2 m	2 m
AK12S4C34200	AK12S4P34200	AK12S5C25200	AK12S5P25200
order no. AK12S4C34500	order no. AK12S4P34500	order no. AK12S5C25500	order no. AK12S5P25500
order no. AK12S4C3410X	order no. AK12S4P3410X	order no. AK12S5C2510X	order no. AK12S5P2510X
grey RAL7035	black matt	grey RAL7035	black matt
brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-15°C to + 70°C	-40°C to + 80°C -25°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C -25°C to + 80°C
<p>Code A</p> <p>1 → Brown 2 → White 3 → Blue 4 → Black</p>	<p>Code A</p> <p>1 → Brown 2 → White 3 → Blue 4 → Black</p>	<p>Code A</p> <p>1 → Brown 2 → White 3 → Blue 4 → Black 5 → Grey</p>	<p>Code A</p> <p>1 → Brown 2 → White 3 → Blue 4 → Black 5 → Grey</p>
1 mm	1 mm	1 mm	1 mm
250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
4 A	4 A	4 A	4 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
TPU	TPU	TPU	TPU
Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
IP 67	IP 67	IP 67	IP 67
3	3	3	3
UL	UL	UL	UL
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
AK12S4C34200	AK12S4P34200	AK12S5C25200	AK12S5P25200
AK12S4C34500	AK12S4P34500	AK12S5C25500	AK12S5P25500
AK12S4C3410X	AK12S4P3410X	AK12S5C2510X	AK12S5P2510X
10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm



M12 Straight Female

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style LF	D Style LF
Description		Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, straight version with M12 locking nut, female contacts
Housing colour		black	black
Type of contact		female	female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y
Conductor specification		0,34 mm ²	0,34 mm ²
Cable length		2 m	2 m
Order no.		AD12B3C34200	AD12B3P34200
Other standard options	cable length 5m, cable length 10m,	order no. AD12B3C34500 order no. AD12B3C3410X	order no. AD12B3P34500 order no. AD12B3P3410X
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-15°C to + 70°C	-40°C to + 80°C -25°C to + 80°C
Drawing		<p>Code A</p>	<p>Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	AD12B3C34200	AD12B3P34200
	2 boxes	AD12B3C34500	AD12B3P34500
	4 boxes	AD12B3C3410X	AD12B3P3410X
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors **AD12** series

MOULDED IN CABLE



M12 Straight Female

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D Style LF	D Style LF	D Style LF	D Style LF
Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, straight version with M12 locking nut, female contacts
black	black	black	black
female	female	female	female
4	4	5	5
PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
0,34 mm ²	0,34 mm ²	0,25 mm ²	0,25 mm ²
2 m	2 m	2 m	2 m
AD12B4C34200	AD12B4P34200	AD12B5C25200	AD12B5P25200
order no. AD12B4C34500	order no. AD12B4P34500	order no. AD12B5C25500	order no. AD12B5P25500
order no. AD12B4C3410X	order no. AD12B4P3410X	order no. AD12B5C2510X	order no. AD12B5P2510X
grey RAL7035	black matt	grey RAL7035	black matt
brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
	-25°C to + 80°C		-25°C to + 80°C
<p>Code A</p>	<p>Code A</p>	<p>Code A</p>	<p>Code A</p>
1 mm	1 mm	1 mm	1 mm
250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
4 A	4 A	4 A	4 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
TPU	TPU	TPU	TPU
Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Viton	Viton	Viton	Viton
IP 67	IP 67	IP 67	IP 67
3	3	3	3
UL	UL	UL	UL
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
AD12B4C34200	AD12B4P34200	AD12B5C25200	AD12B5P25200
AD12B4C34500	AD12B4P34500	AD12B5C25500	AD12B5P25500
AD12B4C3410X	AD12B4P3410X	AD12B5C2510X	AD12B5P2510X
10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm



M12 Angled Female

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style MF	D Style MF
Description		Non-rewireable connector, right angled version with M12 locking nut, female contacts	Non-rewireable connector, right angled version with M12 locking nut, female contacts
Housing colour		black	black
Type of contact		female	female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LIY11Y
Conductor specification		0,34 mm ²	0,34 mm ²
Cable length		2 m	2 m
Order no.		AK12B3C34200	AK12B3P34200
Other standard options	cable length 5m, cable length 10m,	order no. AK12B3C34500 order no. AK12B3C3410X	order no. AK12B3P34500 order no. AK12B3P3410X
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-15°C to + 70°C	-40°C to + 80°C -25°C to + 80°C
Drawing		<p>Code A</p>	<p>Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	AK12B3C34200	AK12B3P34200
	2 boxes	AK12B3C34500	AK12B3P34500
	4 boxes	AK12B3C3410X	AK12B3P3410X
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors AK12 series

MOULDED IN CABLE



M12 Angled Female

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D Style MF	D Style MF	D Style MF	D Style MF
Non-rewireable connector, right angled version with M12 locking nut, female contacts	Non-rewireable connector, right angled version with M12 locking nut, female contacts	Non-rewireable connector, right angled version with M12 locking nut, female contacts	Non-rewireable connector, right angled version with M12 locking nut, female contacts
black	black	black	black
female	female	female	female
4	4	5	5
PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
0,34 mm ²	0,34 mm ²	0,25 mm ²	0,25 mm ²
2 m	2 m	2 m	2 m
AK12B4C34200	AK12B4P34200	AK12B5C25200	AK12B5P25200
order no. AK12B4C34500	order no. AK12B4P34500	order no. AK12B5C25500	order no. AK12B5P25500
order no. AK12B4C3410X	order no. AK12B4P3410X	order no. AK12B5C2510X	order no. AK12B5P2510X
grey RAL7035	black matt	grey RAL7035	black matt
brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
	-25°C to + 80°C		-25°C to + 80°C
<p>Code A</p>	<p>Code A</p>	<p>Code A</p>	<p>Code A</p>
1 mm	1 mm	1 mm	1 mm
250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
4 A	4 A	4 A	4 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
TPU	TPU	TPU	TPU
Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
Viton	Viton	Viton	Viton
IP 67	IP 67	IP 67	IP 67
3	3	3	3
UL	UL	UL	UL
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
AK12B4C34200	AK12B4P34200	AK12B5C25200	AK12B5P25200
AK12B4C34500	AK12B4P34500	AK12B5C25500	AK12B5P25500
AK12B4C3410X	AK12B4P3410X	AK12B5C2510X	AK12B5P2510X
10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm



M12 - 8 Poles

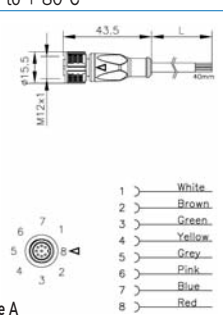
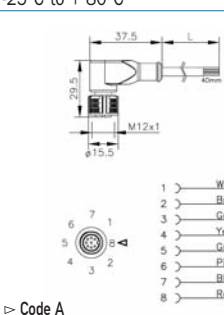
Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style LM	D Style MM
Description		Non-rewireable connector, straight version with M12 locking nut, male contacts	Non-rewireable connector, right angled version with M12 locking nut, male contacts
Housing colour		black	black
Type of contact		male	male
Number of contacts		8	8
Cable type		PUR	PUR
Conductor specification		0,25 mm ²	0,25 mm ²
Cable length		2 m	2 m
Order no.		AG12S8U25200	AW12S8U25200
Other standard options	cable length 5m,	order no. AG12S8U25500	order no. AW12S8U25500
	cable length 10m,	order no. AG12S8U2510X	order no. AW12S8U2510X
Cable jacket colour		grey	grey
Conductor colours		white - brown - green - yellow grey - pink - blue - red	white - brown - green - yellow grey - pink - blue - red
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		<p>▷ Code A</p>	<p>▷ Code A</p>
Technical data			
Pin dimension		0,8 mm	0,8 mm
Rated voltage max.		30 V AC/DC	30 V AC/DC
Rated current max.		2 A	2 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 GF black	PA6 GF black
Housing material		TPU	TPU
Coupling nut material		CuZn Nikel plated	CuZn Nikel plated
O-Ring		Viton	Viton
Enviromental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	AG12S8U25200	AW12S8U25200
	2 boxes	AG12S8U25500	AW12S8U25500
	4 boxes	AG12S8U2510X	AW12S8U2510X
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors **AG12-AW12** series

MOULDED IN CABLE



M12 - 8 Poles

	IEC 61076-2-101	IEC 61076-2-101		
	D Style LF	D Style MF		
	Non-rewireable connector, straight version with M12 locking nut, female contacts	Non-rewireable connector, angled version with M12 locking nut, female contacts		
	black	black		
	female	female		
	8	8		
	PUR	PUR		
	0,25 mm ²	0,25 mm ²		
	2 m	2 m		
	AG12B8U25200	AW12B8U25200		
	order no. AG12B8U25500	order no. AW12B8U25500		
	order no. AG12B8U2510X	order no. AW12B8U2510X		
	grey	grey		
	white - brown - green - yellow grey - pink - blue - red	white - brown - green - yellow grey - pink - blue - red		
	5,0 mm	5,0 mm		
	-40°C to + 80°C	-40°C to + 80°C		
	-25°C to + 80°C	-25°C to + 80°C		
	 <p>▷ Code A</p>	 <p>▷ Code A</p>		
	0,8 mm	0,8 mm		
	30 V AC/DC	30 V AC/DC		
	2 A	2 A		
	≤ 10 mΩ	≤ 10 mΩ		
	Lock nut M12 x 1	Lock nut M12 x 1		
	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m		
	CuSn gold plated	CuSn gold plated		
	PA6 GF black	PA6 GF black		
	TPU	TPU		
	CuZn Nickel plated	CuZn Nickel plated		
	Viton	Viton		
	IP 67	IP 67		
	3	3		
	HB	HB		
	HB	HB		
	100 pieces	100 pieces		
	AG12B8U25200	AW12B8U25200		
	AG12B8U25500	AW12B8U25500		
	AG12B8U2510X	AW12B8U2510X		
	10...12 Kg	10...12 Kg		
	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		



M12 / M12 Extension

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM and LF style	D LM and LF style
Description		Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male and female straight version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LiY11Y
Conductor specification		0,34 mm ²	0,34 mm ²
Cable length		2 m	2 m
Order no.		ED2BD2S3C34200	ED2BD2S3P34200
Other standard options	cable length 1,0m,	order no. ED2BD2S3C34100	order no. ED2BD2S3P34100
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C
	flexible application		-25°C to + 80°C
Drawing		<p>> Code A</p>	<p>> Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	ED2BD2S3C34200	ED2BD2S3P34200
	1 box	ED2BD2S3C34100	ED2BD2S3P34100
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors ED2 series

MOLDED CABLE CONNECTOR



M12 / M12 Extension

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D LM and LF style	D LM and LF style	D LM and LF style	D LM and LF style
Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male and female straight version
black	black	black	black
male + female	male + female	male + female	male + female
4	4	5	5
PVC CEI 2022 II O.R. 0,34 mm ²	PUR LiY11Y 0,34 mm ²	PVC CEI 2022 II O.R. 0,25 mm ²	PUR LiY11Y 0,25 mm ²
2 m	2 m	2 m	2 m
ED2BD2S4C34200	ED2BD2S4P34200	ED2BD2S5C25200	ED2BD2S5P25200
order no. ED2BD2S4C34100	order no. ED2BD2S4P34100	order no. ED2BD2S5C25100	order no. ED2BD2S5P25100
grey RAL7035	black matt	grey RAL7035	black matt
brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
	-25°C to + 80°C		-25°C to + 80°C
<p>▷ Code A</p>	<p>▷ Code A</p>	<p>▷ Code A</p>	<p>▷ Code A</p>
1 mm	1 mm	1 mm	1 mm
250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
4 A	4 A	4 A	4 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
TPU	TPU	TPU	TPU
Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Viton	Viton	Viton	Viton
IP 67	IP 67	IP 67	IP 67
3	3	3	3
UL	UL	UL	UL
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
ED2BD2S4C34200	ED2BD2S4P34200	ED2BD2S5C25200	ED2BD2S5P25200
ED2BD2S4C34100	ED2BD2S4P34100	ED2BD2S5C25100	ED2BD2S5P25100
10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm



Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM and MF style	D LM and MF style
Description		Non-rewireable connector with M12 locking nut male straight and female right angled version	Non-rewireable connector with M12 locking nut male straight and female right angled version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LIY11Y
Conductor specification		0,34 mm ²	0,34 mm ²
Cable length		2 m	2 m
Order no.		EK2BD2S3C34200	EK2BD2S3P34200
Other standard options	cable length 1,0m,	order no. EK2BD2S3C34100	order no. EK2BD2S3P34100
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C
	flexible application		-25°C to + 80°C
Drawing		<p>▷ Code A</p>	<p>▷ Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	EK2BD2S3C34200	EK2BD2S3P34200
	1 box	EK2BD2S3C34100	EK2BD2S3P34100
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors EK2 series

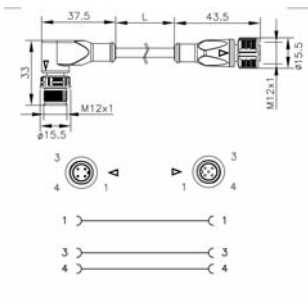
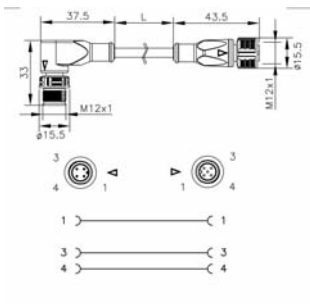
MOULDED IN CABLE



M12 / M12 Extension

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D LM and MF style	D LM and MF style	D LM and MF style	D LM and MF style
Non-rewireable connector with M12 locking nut male straight and female right angled version	Non-rewireable connector with M12 locking nut male straight and female right angled version	Non-rewireable connector with M12 locking nut male straight and female right angled version	Non-rewireable connector with M12 locking nut male straight and female right angled version
black	black	black	black
male + female	male + female	male + female	male + female
4	4	5	5
PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
0,34 mm ²	0,34 mm ²	0,25 mm ²	0,25 mm ²
2 m	2 m	2 m	2 m
EK2BD2S4C34200	EK2BD2S4P34200	EK2BD2S5C25200	EK2BD2S5P25200
order no. EK2BD2S4C34100	order no. EK2BD2S4P34100	order no. EK2BD2S5C25100	order no. EK2BD2S5P25100
grey RAL7035	black matt	grey RAL7035	black matt
brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
	-25°C to + 80°C		-25°C to + 80°C
<p>▷ Code A</p>	<p>▷ Code A</p>	<p>▷ Code A</p>	<p>▷ Code A</p>
1 mm	1 mm	1 mm	1 mm
250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
4 A	4 A	4 A	4 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
TPU	TPU	TPU	TPU
Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Viton	Viton	Viton	Viton
IP 67	IP 67	IP 67	IP 67
3	3	3	3
UL	UL	UL	UL
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
EK2BD2S4C34200	EK2BD2S4P34200	EK2BD2S5C25200	EK2BD2S5P25200
EK2BD2S4C34100	EK2BD2S4P34100	EK2BD2S5C25100	EK2BD2S5P25100
10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm



Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D MM and LF style	D MM and LF style
Description		Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female straight version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LIY11Y
Conductor specification		0,34 mm ²	0,34 mm ²
Cable length		2 m	2 m
Order no.		ED2BK2S3C34200	ED2BK2S3P34200
Other standard options	cable length 1,0m,	order no. ED2BK2S3C34100	order no. ED2BK2S3P34100
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-15°C to + 70°C	-40°C to + 80°C -25°C to + 80°C
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	ED2BK2S3C34200	ED2BK2S3P34200
	1 box	ED2BK2S3C34100	ED2BK2S3P34100
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors ED2 series

MOLDED CABLE CONNECTOR



M12 / M12 Extension

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D MM and LF style	D MM and LF style	D MM and LF style	D MM and LF style
Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female straight version
black	black	black	black
male + female	male + female	male + female	male + female
4	4	5	5
PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
0,34 mm ²	0,34 mm ²	0,25 mm ²	0,25 mm ²
2 m	2 m	2 m	2 m
ED2BK2S4C34200	ED2BK2S4P34200	ED2BK2S5C25200	ED2BK2S5P25200
order no. ED2BK2S4C34100	order no. ED2BK2S4P34100	order no. ED2BK2S5C25100	order no. ED2BK2S5P25100
grey RAL7035	black matt	grey RAL7035	black matt
brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
	-25°C to + 80°C		-25°C to + 80°C
<p>▷ Code A</p>	<p>▷ Code A</p>	<p>▷ Code A</p>	<p>▷ Code A</p>
1 mm	1 mm	1 mm	1 mm
250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
4 A	4 A	4 A	4 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
TPU	TPU	TPU	TPU
Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Viton	Viton	Viton	Viton
IP 67	IP 67	IP 67	IP 67
3	3	3	3
UL	UL	UL	UL
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
ED2BK2S4C34200	ED2BK2S4P34200	ED2BK2S5C25200	ED2BK2S5P25200
ED2BK2S4C34100	ED2BK2S4P34100	ED2BK2S5C25100	ED2BK2S5P25100
10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm



Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D MM and MF style	D MM and MF style
Description		Non-rewireable connector with M12 locking nut male and female right angled version	Non-rewireable connector with M12 locking nut male and female right angled version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR LIY11Y
Conductor specification		0,34 mm ²	0,34 mm ²
Cable length		2 m	2 m
Order no.		EK2BK2S3C34200	EK2BK2S3P34200
Other standard options	cable length 1,0m,	order no. EK2BK2S3C34100	order no. EK2BK2S3P34100
Cable jacket colour		grey RAL7035	black matt
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-15°C to + 70°C	-40°C to + 80°C
	flexible application		-25°C to + 80°C
Drawing		<p>▷ Code A</p>	<p>▷ Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	250 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		UL	UL
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	EK2BK2S3C34200	EK2BK2S3P34200
	1 box	EK2BK2S3C34100	EK2BK2S3P34100
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors EK2 series

MOULDED IN CABLE



M12 / M12 Extension

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D MM and MF style	D MM and MF style	D MM and MF style	D MM and MF style
Non-rewireable connector with M12 locking nut male and female right angled version	Non-rewireable connector with M12 locking nut male and female right angled version	Non-rewireable connector with M12 locking nut male and female right angled version	Non-rewireable connector with M12 locking nut male and female right angled version
black	black	black	black
male + female	male + female	male + female	male + female
4	4	5	5
PVC CEI 2022 II O.R.	PUR LiY11Y	PVC CEI 2022 II O.R.	PUR LiY11Y
0,34 mm ²	0,34 mm ²	0,25 mm ²	0,25 mm ²
2 m	2 m	2 m	2 m
EK2BK2S4C34200	EK2BK2S4P34200	EK2BK2S5C25200	EK2BK2S5P25200
order no. EK2BK2S4C34100	order no. EK2BK2S4P34100	order no. EK2BK2S5C25100	order no. EK2BK2S5P25100
grey RAL7035	black matt	grey RAL7035	black matt
brown - white - blue - black	brown - white - blue - black	brown - black - grey - blue - white	brown - black - grey - blue - white
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-15°C to + 70°C	-40°C to + 80°C	-15°C to + 70°C	-40°C to + 80°C
	-25°C to + 80°C		-25°C to + 80°C
<p>Code A</p>	<p>Code A</p>	<p>Code A</p>	<p>Code A</p>
1 mm	1 mm	1 mm	1 mm
250 V AC/DC	250 V AC/DC	60 V AC/DC	60 V AC/DC
4 A	4 A	4 A	4 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
TPU	TPU	TPU	TPU
Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Viton	Viton	Viton	Viton
IP 67	IP 67	IP 67	IP 67
3	3	3	3
UL	UL	UL	UL
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
EK2BK2S4C34200	EK2BK2S4P34200	EK2BK2S5C25200	EK2BK2S5P25200
EK2BK2S4C34100	EK2BK2S4P34100	EK2BK2S5C25100	EK2BK2S5P25100
10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm



Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM and LF style	D LM and MF style
Description		Non-rewireable connector with M12 locking nut male and female straight version	Non-rewireable connector with M12 locking nut male straight and female right angled version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		8	8
Cable type		PUR	PUR
Conductor specification		0,25 mm ²	0,25 mm ²
Cable length		2 m	2 m
Order no.		EG2BG2S8U25200	EW2BG2S8U25200
Other standard options	cable length 1,0m,	order no. EG2BG2S8U25100	order no. EW2BG2S8U25100
Cable jacket colour		grey	grey
Conductor colours		white - brown - green - yellow grey - pink - blue - red	white - brown - green - yellow grey - pink - blue - red
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		<p>▷ Code A</p>	<p>▷ Code A</p>
Technical data			
Pin dimension		0,8 mm	0,8 mm
Rated voltage max.		30 V AC/DC	30 V AC/DC
Rated current max.		2 A	2 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M12 x 1	Lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 black	PA6 black
Housing material		TPU	TPU
Coupling nut material		CuZn Nikel plated	CuZn Nikel plated
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	EG2BG2S8U25200	EW2BG2S8U25200
	1 box	EG2BG2S8U25100	EW2BG2S8U25100
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			



IEC 61076-2-101	IEC 61076-2-101		
D MM and LF style	D MM and MF style		
Non-rewireable connector with M12 locking nut male right angled and female straight version	Non-rewireable connector with M12 locking nut male right angled and female right angled version		
black	black		
male + female	male + female		
8	8		
PUR	PUR		
0,25 mm ²	0,25 mm ²		
2 m	2 m		
EG2BW2S8U25200	EW2BW2S8U25200		
order no. EG2BW2S8U25100	order no. EW2BW2S8U25100		
grey	grey		
white - brown - green - yellow grey - pink - blue - red	white - brown - green - yellow grey - pink - blue - red		
5,0 mm	5,0 mm		
-40°C to + 80°C	-40°C to + 80°C		
-25°C to + 80°C	-25°C to + 80°C		
<p>▷ Code A</p>	<p>▷ Code A</p>		
0,8 mm	0,8 mm		
30 V AC/DC	30 V AC/DC		
2 A	2 A		
≤ 10 mΩ	≤ 10 mΩ		
Lock nut M12 x 1	Lock nut M12 x 1		
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m		
CuSn gold plated	CuSn gold plated		
PA6 black	PA6 black		
TPU	TPU		
CuZn Nikel plated	CuZn Nikel plated		
Viton	Viton		
IP 67	IP 67		
3	3		
HB	HB		
HB	HB		
100 pieces	100 pieces		
EG2BW2S8U25200	EW2BW2S8U25200		
EG2BW2S8U25100	EW2BW2S8U25100		
10...12 Kg	10...12 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

M12 / M12 Extension - 8 Poles

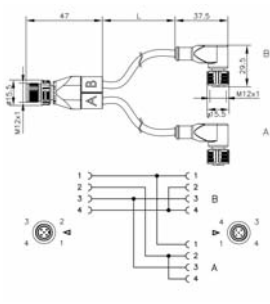
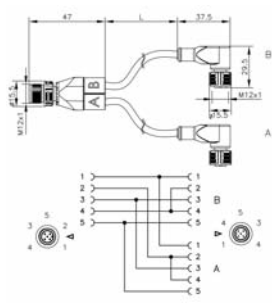
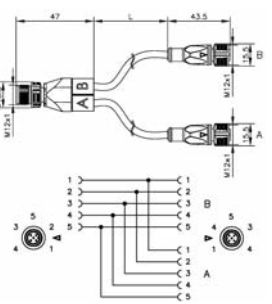
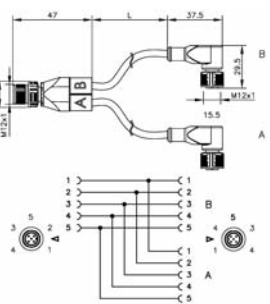


Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D - LM and LF style	D - LM and LF style
Description		Non-rewireable connector, with M12 locking nut, single straight male and double straight female version	Non-rewireable connector, with M12 locking nut, single straight male and double straight female version
Housing colour		black	black
Number of contacts		4	5
Cable type		PUR LiY11Y	PUR LiY11Y
Conductor specification		0,34 mm ²	0,25 mm ²
Cable length		1 m	1 m
Order no.		Y2DD2B4P34100	Y2DD2B5P25100
Other standard options	cable length 0,6m	order no. Y2DD2B4P34060	order no. Y2DD2B5P25060
Cable jacket colour		black	black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
Drawing		<p>▷ Code A</p>	<p>▷ Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	60 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Overvoltage category		III	III
Mounting		lock nut M12 x 1	lock nut M12 x 1
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6T / 61 GF blue	PA6T / 61 GF blue
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
Environmental conditions			
Protection class (EN 60529)		IP67	IP67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Moulded housing		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	Y2DD2B4P34100	Y2DD2B5P25100
	1 box	Y2DD2B4P34060	Y2DD2B5P25060
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Splitter Extension Y series

MOULDED IN CABLE



IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D - LM and MF style	D - LM and MF style	D - LM and LF style	D - LM and MF style
Non-rewireable connector, with M12 locking nut, single straight male and double right angled female version	Non-rewireable connector, with M12 locking nut, single straight male and double right angled female version	Non-rewireable connector, with M12 locking nut, single straight male and double straight female version	Non-rewireable connector, with M12 locking nut, single straight male and double right angled female version
black	black	black	black
4	5	5	5
PUR LiY11Y	PUR LiY11Y	PUR LiY11Y	PUR LiY11Y
0,25 mm ²	0,25 mm ²	0,25 mm ²	0,25 mm ²
1 m	1 m	1 m	1 m
Y2DK2B4P34100	Y2DK2B5P25100	Y2DD2BAP25100	Y2DK2BAP25100
order no. Y2DK2B4P34060	order no. Y2DK2B5P25060	order no. Y2DD2BAP25060	order no. Y2DK2BAP25060
black	black	black	black
5,0 mm	5,0 mm	5,0 mm	5,0 mm
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
			
▷ Code A	▷ Code A	▷ Code A	▷ Code A
1 mm	1 mm	1 mm	1 mm
60 V AC/DC	60 V AC/DC	60 V AC/DC	60 V AC/DC
4 A	4 A	4 A	4 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
III	III	III	III
lock nut M12 x 1	lock nut M12 x 1	lock nut M12 x 1	lock nut M12 x 1
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuSn gold plated	CuSn gold plated	CuSn gold plated	CuSn gold plated
PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue	PA6T / 61 GF blue
TPU	TPU	TPU	TPU
Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1	Zamak 15 / ZnA14Cu1
IP67	IP67	IP67	IP67
3	3	3	3
HB	HB	HB	HB
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
Y2DK2B4P34100	Y2DK2B5P25100	Y2DD2BAP25100	Y2DK2BAP25100
Y2DK2B4P34060	Y2DK2B5P25060	Y2DD2BAP25060	Y2DK2BAP25060
10...12 Kg	10...12 Kg	10...12 Kg	10...12 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm

M12 / M12 Extension



Product description			
Standard	IEC 61076-2-101	IEC 61076-2-101	
Construction type	D Style JF	D Style JF	
Description	Rewireable connector, straight version with locking nut, female contacts	Rewireable connector, straight version with locking nut, female contacts	
Housing colour	black	black	
Type of contact	female	female	
Number of contacts	4	5	
Cable gland	PG7	PG7	
Conductor size	max. 0,75 mm ²	max. 0,75 mm ²	
Order no.	FGA12B4-7	FGA12B5-7	
Cable diameter	4 - 6 mm	4 - 6 mm	
Temperature range	-25°C to + 90°C static	-25°C to + 90°C static	
Drawing			
	<p>▷ Code A</p>	<p>▷ Code A</p>	
Technical data			
Pin dimension	1 mm	1 mm	
Rated voltage max.	250 V AC/DC	50 V AC/DC	
Rated current max.	4 A	4 A	
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	
Mounting	Lock nut M12 x 1	Lock nut M12 x 1	
Fixing screw torque	min. 0,5; max. 0,8 N/m	min. 0,5; max. 0,8 N/m	
Material			
Contact material	CuZn	CuZn	
Contact holder material	PA	PA	
Housing material	PA	PA	
Coupling nut material	Zn AL/NI	Zn AL/NI	
Environmental conditions			
Protection class (EN 60529)	IP 67	IP 67	
Pollution severity (EN 60664-1)	3	3	
Inflammability class			
Contact holder material	94 V-2	94 V-2	
Housing material	94 V-2	94 V-2	
Packaging			
Minimum quantity	100 pieces	100 pieces	
Number of boxes suitable :	2 boxes	FGA12B4-7	FGA12B5-7
Approximate weight per box	3 Kg	3 Kg	
Box dimension	29 x 15 x 18 cm	29 x 15 x 18 cm	
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors FGA series

SELF - ASSEMBLY CABLE

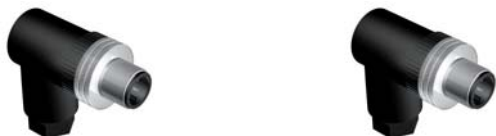


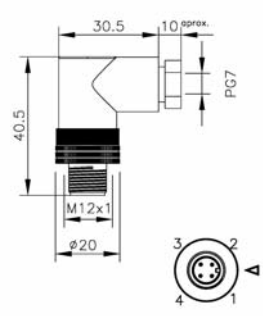
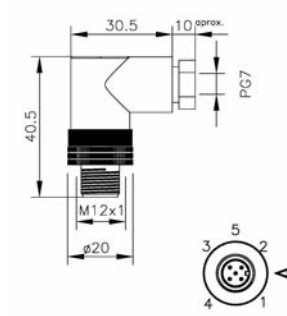
M12 Cable Entry

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	
D Style JM	D Style JM	D Style JM	
Rewireable connector, straight version with locking nut, male contacts	Rewireable connector, straight version with locking nut, male contacts	Rewireable connector, straight version with locking nut, male contacts, double cable entry	
black	black	black	
male	male	male	
4	5	5	
PG7	PG7	M16x1,5	
max. 0,75 mm ²	max. 0,75 mm ²	max. 0,75 mm ²	
FGA12S4-7	FGA12S5-7	FGA12S5-DUO	
4 - 6 mm	4 - 6 mm	(2,1 - 3 mm) ; (4 - 5 mm) with appropriate grommet	
-25°C to + 90°C static	-25°C to + 90°C static	-25°C to + 90°C static	
<p>▷ Code A</p>	<p>▷ Code A</p>	<p>▷ Code A</p>	
1 mm	1 mm	1 mm	
250 V AC/DC	50 V AC/DC	50 V AC/DC	
4 A	4 A	4 A	
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	
Lock nut M12 x 1	Lock nut M12 x 1	Lock nut M12 x 1	
min. 0,5; max. 0,8 N/m	min. 0,5; max. 0,8 N/m	min. 0,5; max. 0,8 N/m	
CuZn	CuZn	CuZn	
PA	PA	PA 66	
PA	PA	PA 66	
Zn AL/NI	Zn AL/NI	Zn AL/NI	
IP 67	IP 67	IP 67	
3	3	3	
94 V-2	94 V-2	UL 94 HB	
94 V-2	94 V-2	UL 94 HB	
100 pieces	100 pieces	100 pieces	
FGA12S4-7	FGA12S5-7	FGA12S5-DUO	
3 Kg	3 Kg	3 Kg	
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	



Product description			
Standard	IEC 61076-2-101	IEC 61076-2-101	
Construction type	D Style KF	D Style KF	
Description	Rewireable connector, right angled version with locking nut, female contacts	Rewireable connector, right angled version with locking nut, female contacts	
Housing colour	black	black	
Type of contact	female	female	
Number of contact	4	5	
Cable gland	PG7	PG7	
Conductor size	max. 0,75 mm ²	max. 0,75 mm ²	
Order no.	FWA12B4-7	FWA12B5-7	
Cable diameter	4 - 6 mm	4 - 6 mm	
Temperature range	-25°C to + 90°C	-25°C to + 90°C	
Drawing			
	> Code A	> Code A	
Technical data			
Pin dimension	1 mm	1 mm	
Rated voltage max.	250 V AC/DC	50 V AC/DC	
Rated current max.	4 A	4 A	
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	
Mounting	Lock nut M12 x 1	Lock nut M12 x 1	
Fixing screw torque	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	
Material			
Contact material	CuZn	CuZn	
Contact holder material	PA	PA	
Housing material	PA	PA	
Coupling nut material	Zn AL/NI	Zn AL/NI	
Environmental conditions			
Protection class (EN 60529)	IP 67	IP 67	
Pollution severity (EN 60664-1)	3	3	
Inflammability class			
Contact holder material	94 V-2	94 V-2	
Housing material	94 V-2	94 V-2	
Packaging			
Minimum quantity	100 pieces	100 pieces	
Number of boxes suitable :	2 boxes	FWA12B4-7	FWA12B5-7
Approximate weight per box	3 Kg	3 Kg	3 Kg
Box dimension	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			



IEC 61076-2-101	IEC 61076-2-101		
D Style KM	D Style KM		
Rewireable connector, right angled version with locking nut, male contacts	Rewireable connector, right angled version with locking nut, male contacts		
black	black		
male	male		
4	5		
PG7	PG7		
max. 0,75 mm ²	max. 0,75 mm ²		
FWA12S4-7	FWA12S5-7		
4 - 6 mm	4 - 6 mm		
-25°C to + 90°C	-25°C to + 90°C		
			
▷ Code A	▷ Code A		
1 mm	1 mm		
250 V AC/DC	50 V AC/DC		
4 A	4 A		
≤ 10 mΩ	≤ 10 mΩ		
Lock nut M12 x 1	Lock nut M12 x 1		
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m		
CuZn	CuZn		
PA	PA		
PA	PA		
Zn AL/NI	Zn AL/NI		
IP 67	IP 67		
3	3		
94 V-2	94 V-2		
94 V-2	94 V-2		
100 pieces	100 pieces		
FWA12S4-7	FWA12S5-7		
3 Kg	3 Kg		
29 x 15 x 18 cm	29 x 15 x 18 cm		



Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style EM	D Style EM
Description		Fixed connector, with wire ends single hole front mounting, male contacts	Fixed connector, with wire ends single hole front mounting, male contacts
Housing colour		silver	silver
Type of contact		male	male
Number of contacts		4	5
Fixation thread		M16	M16
Conductor type		PVC	PVC
Conductor specification		0,34 mm ²	0,34 mm ²
Conductor length		0,50 m	0,50 m
Order no.		RB12416U34050	RB12516U34050
Other options on request	PG9 fixation thread	ord.number RB12409U34050	ord.number RB12509U34050
Conductor colours		brown - white - blue - black	brown - black - grey - blue - white
Temperature range	static application	-25°C to + 70°C	-25°C to + 70°C
Drawing		<p>1) Brown 2) White 3) Blue 4) Black</p> <p>▷ Code A</p>	<p>1) Brown 2) White 3) Blue 4) Black 5) Grey</p> <p>▷ Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	60 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Positionable nut (not included)	Positionable nut (not included)
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuZn	CuZn
Contact holder material		PA	PA
Housing material		Cu Zn / Ni	Cu Zn / Ni
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		94 V-2	94 V-2
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	RB12416U34050	RB12516U34050
	1 box	RB12409U34050	RB12509U34050
Approximate weight per box		3 Kg	3 Kg
Box dimension		29 x 15 x 18 cm	29 x 15 x 18 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors R series

MOULDED IN CABLE

M12 Receptacles



IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D Style EM	D Style GM	D Style GM	D Style GM
Fixed connector, with wire ends single hole front mounting, male contacts	Fixed connector, with wire ends single hole rear mounting keyway orientation, male contacts	Fixed connector, with wire ends single hole rear mounting keyway orientation, male contacts	Fixed connector, with wire ends single hole rear mounting keyway orientation, male contacts
silver	silver	silver	silver
male	male	male	male
8	4	5	8
M16	M16	M16	M16
PVC	PVC	PVC	PVC
0,25 mm ²	0,34 mm ²	0,34 mm ²	0,25 mm ²
0,50 m	0,50 m	0,50 m	0,50 m
RB12816V25050	RG12416U34050	RG12516U34050	RG12816V25050
	ord.number RG12409U34050	ord.number RG12509U34050	
white - brown - green - yellow grey - pink - blue - red	brown - white - blue - black	brown - black - grey - blue - white	white - brown - green - yellow grey - pink - blue - red
-25°C to + 70°C	-25°C to + 70°C	-25°C to + 70°C	-25°C to + 70°C
<p>Code A</p>	<p>Code A</p>	<p>Code A</p>	<p>Code A</p>
0,8 mm	1 mm	1 mm	0,8 mm
30 V AC/DC	250 V AC/DC	60 V AC/DC	30 V AC/DC
2 A	4 A	4 A	2 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Positionable nut (not included) min. 0,5 ; max. 0,8 N/m	Positionable nut min. 0,5 ; max. 0,8 N/m	Positionable nut min. 0,5 ; max. 0,8 N/m	Positionable nut min. 0,5 ; max. 0,8 N/m
CuZn	CuZn	CuZn	CuZn
PA	PA	PA	PA
Cu Zn / Ni	Cu Zn / Ni	Cu Zn / Ni	Cu Zn / Ni
IP 67	IP 67	IP 67	IP 67
3	3	3	3
94 V-2	94 V-2	94 V-2	94 V-2
100 pieces	100 pieces	100 pieces	100 pieces
RB12816V25050	RG12416U34050	RG12516U34050	RG12816V25050
	RG12409U34050	RG12509U34050	
3 Kg	3 Kg	3 Kg	3 Kg
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm



Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D Style EF	D Style EF
Description		Fixed connector, with wire ends single hole front mounting, female contacts	Fixed connector, with wire ends single hole front mounting, female contacts
Housing colour		silver	silver
Type of contact		female	female
Number of contacts		4	5
Fixation thread		M16	M16
Conductor type		PVC	PVC
Conductor specification		0,34 mm ²	0,34 mm ²
Conductor length		0,50 m	0,50 m
Order no.		RA12416U34050	RA12516U34050
Other options on request	PG9 fixation thread	ord.number RA12409U34050	ord.number RA12509U34050
Conductor colours		brown - white - blue - black	brown - black - grey - blue - white
Temperature range	static application	-25°C to + 70°C	-25°C to + 70°C
Drawing		<p>> Code A</p>	<p>> Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		250 V AC/DC	60 V AC/DC
Rated current max.		4 A	4 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Positionable nut (not included)	Positionable nut (not included)
Fixing screw torque		min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
Material			
Contact material		CuZn	CuZn
Contact holder material		PA	PA
Housing material		Cu Zn / Ni	Cu Zn / Ni
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		94 V-2	94 V-2
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	1 box	RA12416U34050	RA12516U34050
	1 box	RA12409U34050	RA12509U34050
Approximate weight per box		3 Kg	3 Kg
Box dimension		29 x 15 x 18 cm	29 x 15 x 18 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors R series

MOULDED IN CABLE














M12 Receptacles

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
D Style EF	D Style GF	D Style GF	D Style GF
Fixed connector, with wire ends single hole front mounting, female contacts	Fixed connector, with wire ends single hole rear mounting keyway orientation, female contacts,	Fixed connector, with wire ends single hole rear mounting, keyway orientation, female contacts	Fixed connector, with wire ends single hole rear mounting, keyway orientation, female contacts
female	female	female	female
8	4	5	8
M16	M16	M16	M16
PVC	PVC	PVC	PVC
0,25 mm ²	0,34 mm ²	0,34 mm ²	0,25 mm ²
0,50 m	0,50 m	0,50 m	0,50 m
RA12816V25050	RD12416U34050	RD12516U34050	RD12816V25050
white - brown - green - yellow - grey - pink - blue - red	ord.number RD12409U34050 brown - white - blue - black	ord.number RD12509U34050 brown - black - grey - blue - white	white - brown - green - yellow - grey - pink - blue - red
-25°C to + 70°C	-25°C to + 70°C	-25°C to + 70°C	-25°C to + 70°C
<p>Code A</p>	<p>Code A</p>	<p>Code A</p>	<p>Code A</p>
0,8 mm	1 mm	1 mm	0,8 mm
30 V AC/DC	250 V AC/DC	60 V AC/DC	30 V AC/DC
2 A	4 A	4 A	2 A
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Positionable nut (not included)	Positionable nut	Positionable nut	Positionable nut
min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m	min. 0,5 ; max. 0,8 N/m
CuZn	CuZn	CuZn	CuZn
PA	PA	PA	PA
Cu Zn / Ni	Cu Zn / Ni	Cu Zn / Ni	Cu Zn / Ni
IP 67	IP 67	IP 67	IP 67
3	3	3	3
94 V-2	94 V-2	94 V-2	94 V-2
100 pieces	100 pieces	100 pieces	100 pieces
RA12816V25050	RD12416U34050 RD12409U34050	RD12516U34050 RD12509U34050	RD12816V25050
3 Kg	3 Kg	3 Kg	3 Kg
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm

Circular Connectors

M8-M12 CONNECTORS

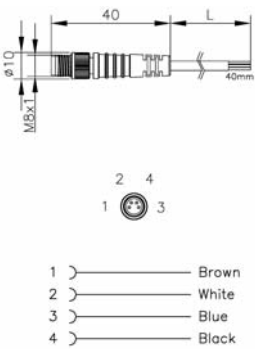
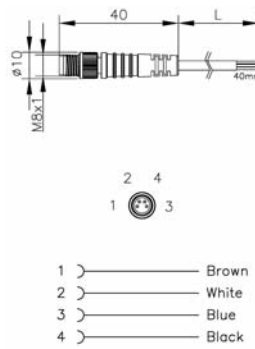
DESCRIPTION		PAG
SERIES: AG08S		M8 straight male with moulded cable free end..... 156
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SERIES: EG8BD2		M12 straight male to M8 straight female 164
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SERIES: EW8BD2		M12 straight male to M8 angled female..... 166
SERIES: EW8BK2		M12 angled male to M8 angled female 167
SERIES: YG8 - YW8		Y M12 distributor straight male to M8 female165-166
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M8 Straight Male

Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E Style LM	E Style LM
Description		Non-rewireable connector, straight version with M8 locking nut, male contacts	Non-rewireable connector, straight version with M8 locking nut, male contacts
Housing colour		black	black
Type of contact		male	male
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR
Conductors specification		0,25 mm ²	0,25 mm ²
Cable length		2 m	2 m
Order no.		AG08S3C25200	AG08S3P25200
Other standard options	cable length 5m cable length 10m	order no. AG08S3C25500 order no. AG08S3C2510X	order no. AG08S3P25500 order no. AG08S3P2510X
Cable jacket colour		grey RAL7035	black
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-25°C to + 70°C	-40°C to + 80°C
Drawing		<p> 1 ————— Brown 3 ————— Blue 4 ————— Black </p>	<p> 1 ————— Brown 3 ————— Blue 4 ————— Black </p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	60 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6	PA6
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated	CuZn Nickel plated
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	AG08S3C25200	AG08S3P25200
	2 boxes	AG08S3C25500	AG08S3P25500
	4 boxes	AG08S3C2510X	AG08S3P2510X
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			



IEC 61076-2-101	IEC 61076-2-101		
E Style LM	E Style LM		
Non-rewireable connector, straight version with M8 locking nut, male contacts	Non-rewireable connector, straight version with M8 locking nut, male contacts		
black	black		
male	male		
4	4		
PVC CEI 2022 II O.R.	PUR		
0,25 mm ²	0,25 mm ²		
2 m	2 m		
AG08S4C25200	AG08S4P25200		
order no. AG08S4C25500	order no. AG08S4P25500		
order no. AG08S4C2510X	order no. AG08S4P2510X		
grey RAL7035	black		
brown - white - blue - black	brown - white - blue - black		
5,0 mm	5,0 mm		
-25°C to + 70°C	-40°C to + 80°C		
			
1 mm	1 mm		
30 V AC/DC	30 V AC/DC		
3 A	3 A		
≤ 10 mΩ	≤ 10 mΩ		
Lock nut M8 x 1	Lock nut M8 x 1		
min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m		
CuSn gold plated	CuSn gold plated		
PA6	PA6		
TPU	TPU		
CuZn Nickel plated	CuZn Nickel plated		
IP 67	IP 67		
3	3		
HB	HB		
HB	HB		
100 pieces	100 pieces		
AG08S4C25200	AG08S4P25200		
AG08S4C25500	AG08S4P25500		
AG08S4C2510X	AG08S4P2510X		
10...12 Kg	10...12 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		



Product description		IEC 61076-2-101	IEC 61076-2-101
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E Style MM	E Style MM
Description		Non-rewireable connector, angled version with M8 locking nut, male contacts	Non-rewireable connector, angled version with M8 locking nut, male contacts
Housing colour		black	black
Type of contact		male	male
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR
Conductors specification		0,25 mm ²	0,25 mm ²
Cable length		2 m	2 m
Order no.		AW08S3C25200	AW08S3P25200
Other standard options	cable length 5m	order no. AW08S3C25500	order no. AW08S3P25500
	cable length 10m	order no. AW08S3C2510X	order no. AW08S3P2510X
Cable jacket colour		grey RAL7035	black
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application	-25°C to + 70°C	-40°C to + 80°C
	flexible application		
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	60 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6	PA6
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated	CuZn Nickel plated
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	AW08S3C25200	AW08S3P25200
	2 boxes	AW08S3C25500	AW08S3P25500
	4 boxes	AW08S3C2510X	AW08S3P2510X
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			



IEC 61076-2-101	IEC 61076-2-101		
E Style MM	E Style MM		
Non-rewireable connector, angled version with M8 locking nut , male contacts	Non-rewireable connector, angled version with M8 locking nut , male contacts		
black	black		
male	male		
4	4		
PVC CEI 2022 II O.R.	PUR		
0,25 mm ²	0,25 mm ²		
2 m	2 m		
AW08S4C25200	AW08S4P25200		
order no. AW08S4C25500	order no. AW08S4P25500		
order no. AW08S4C2510X	order no. AW08S4P2510X		
grey RAL7035	black		
brown - white - blue - black	brown - white - blue - black		
5,0 mm	5,0 mm		
-25°C to + 70°C	-40°C to + 80°C		
<p>1) ———— Brown 2) ———— White 3) ———— Blue 4) ———— Black</p>	<p>1) ———— Brown 2) ———— White 3) ———— Blue 4) ———— Black</p>		
1 mm	1 mm		
30 V AC/DC	30 V AC/DC		
3 A	3 A		
≤ 10 mΩ	≤ 10 mΩ		
Lock nut M8 x 1	Lock nut M8 x 1		
min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m		
CuSn gold plated	CuSn gold plated		
PA6	PA6		
TPU	TPU		
CuZn Nickel plated	CuZn Nickel plated		
IP 67	IP 67		
3	3		
HB	HB		
HB	HB		
100 pieces	100 pieces		
AW08S4C25200	AW08S4P25200		
AW08S4C25500	AW08S4P25500		
AW08S4C2510X	AW08S4P2510X		
10...12 Kg	10...12 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		



Product description		IEC 61076-2-101	IEC 61076-2-101
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E Style LF	E Style LF
Description		Non-rewireable connector, straight version with M8 locking nut, female contacts	Non-rewireable connector, straight version with M8 locking nut, female contacts
Housing colour		black	black
Type of contact		female	female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR
Conductors specification		0,25 mm ²	0,25 mm ²
Cable length		2 m	2 m
Order no.		AG08B3C25200	AG08B3P25200
Other standard options	cable length 5m cable length 10m	order no. AG08B3C25500 order no. AG08B3C2510X	order no. AG08B3P25500 order no. AG08B3P2510X
Cable jacket colour		grey RAL7035	black
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-25°C to + 70°C	-40°C to + 80°C
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	60 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6	PA6
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated	CuZn Nickel plated
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable :	2 boxes	AG08B3C25200	AG08B3P25200
	2 boxes	AG08B3C25500	AG08B3P25500
	4 boxes	AG08B3C2510X	AG08B3P2510X
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

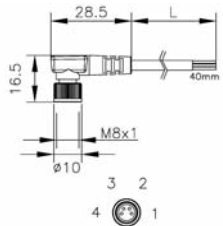
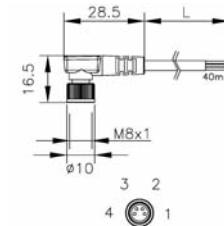


IEC 61076-2-101	IEC 61076-2-101		
E Style LF	E Style LF		
Non-rewireable connector, straight version with M8 locking nut, female contacts	Non-rewireable connector, straight version with M8 locking nut, female contacts		
black	black		
female	female		
4	4		
PVC CEI 2022 II O.R.	PUR		
0,25 mm ²	0,25 mm ²		
2 m	2 m		
AG08B4C25200	AG08B4P25200		
order no. AG08B4C25500	order no. AG08B4P25500		
order no. AG08B4C2510X	order no. AG08B4P2510X		
grey RAL7035	black		
brown - white - blue - black	brown - white - blue - black		
5,0 mm	5,0 mm		
-25°C to + 70°C	-40°C to + 80°C		
<p> 1) ———— Brown 2) ———— White 3) ———— Blue 4) ———— Black </p>	<p> 1) ———— Brown 2) ———— White 3) ———— Blue 4) ———— Black </p>		
1 mm	1 mm		
30 V AC/DC	30 V AC/DC		
3 A	3 A		
≤ 10 mΩ	≤ 10 mΩ		
Lock nut M8 x 1	Lock nut M8 x 1		
min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m		
CuSn gold plated	CuSn gold plated		
PA6	PA6		
TPU	TPU		
CuZn Nickel plated	CuZn Nickel plated		
Viton	Viton		
IP 67	IP 67		
3	3		
HB	HB		
HB	HB		
100 pieces	100 pieces		
AG08B4C25200	AG08B4P25200		
AG08B4C25500	AG08B4P25500		
AG08B4C2510X	AG08B4P2510X		
10...12 Kg	10...12 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		



Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E Style MF	E Style MF
Description		Non-rewireable connector, angled version with M8 locking nut, female contacts	Non-rewireable connector, angled version with M8 locking nut, female contacts
Housing colour		black	black
Type of contact		female	female
Number of contacts		3	3
Cable type		PVC CEI 2022 II O.R.	PUR
Conductors specification		0,25 mm ²	0,25 mm ²
Cable length		2 m	2 m
Order no.		AW08B3C25200	AW08B3P25200
Other standard options	cable length 5m cable length 10m	order no. AW08B3C25500 order no. AW08B3C2510X	order no. AW08B3P25500 order no. AW08B3P2510X
Cable jacket colour		grey RAL7035	black
Conductor colours		brown - blue - black	brown - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-25°C to + 70°C	-40°C to + 80°C
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	60 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6	PA6
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated	CuZn Nickel plated
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes 2 boxes 4 boxes	AW08B3C25200 AW08B3C25500 AW08B3C2510X	AW08B3P25200 AW08B3P25500 AW08B3P2510X
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			



IEC 61076-2-101	IEC 61076-2-101		
E Style MF	E Style MF		
Non-rewireable connector, angled version with M8 locking nut, female contacts	Non-rewireable connector, angled version with M8 locking nut, female contacts		
black	black		
female	female		
4	4		
PVC CEI 2022 II O.R.	PUR		
0,25 mm ²	0,25 mm ²		
2 m	2 m		
AW08B4C25200	AW08B4P25200		
order no. AW08B4C25500	order no. AW08B4P25500		
order no. AW08B4C2510X	order no. AW08B4P2510X		
grey RAL7035	black		
brown - white - blue - black	brown - white - blue - black		
5,0 mm	5,0 mm		
-25°C to + 70°C	-40°C to + 80°C		
 <p>1) ———— Brown 2) ———— White 3) ———— Blue 4) ———— Black</p>	 <p>1) ———— Brown 2) ———— White 3) ———— Blue 4) ———— Black</p>		
1 mm	1 mm		
30 V AC/DC	30 V AC/DC		
3 A	3 A		
≤ 10 mΩ	≤ 10 mΩ		
Lock nut M8 x 1	Lock nut M8 x 1		
min. 0,3 ; max. 0,5 N/m	min. 0,3 ; max. 0,5 N/m		
CuSn gold plated	CuSn gold plated		
PA6	PA6		
TPU	TPU		
CuZn Nickel plated	CuZn Nickel plated		
Viton	Viton		
IP 67	IP 67		
3	3		
HB	HB		
HB	HB		
100 pieces	100 pieces		
AW08B4C25200	AW08B4P25200		
AW08B4C25500	AW08B4P25500		
AW08B4C2510X	AW08B4P2510X		
10...12 Kg	10...12 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		



M12 / M8 Extension

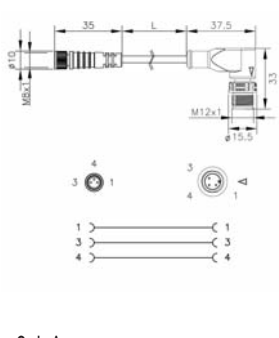
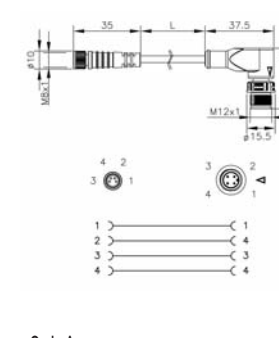
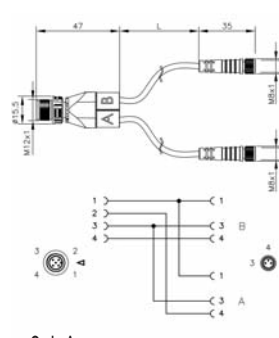
Product description			
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM style E LF style	D LM style E LF style
Description		Non-rewireable connector with straight locking nut male (M12) and female (M8) straight version	Non-rewireable connector with straight locking nut male (M12) and female (M8) straight version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	4
Cable type		PUR	PUR
Conductor specification		0,25 mm ²	0,25 mm ²
Cable length		2 m	2 m
Order no.		EG8BD2S3P25200	EG8BD2S4P25200
Other standard options	cable length 1,0m cable length 0,6m	order no. EG8BD2S3P25100	order no. EG8BD2S4P25100
Cable jacket colour		black	black
Conductor colours		brown - blue - black	brown - white - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-40°C to + 80°C	-40°C to + 80°C
Drawing		<p>> Code A</p>	<p>> Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	30 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1
Fixing screw torque		M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m	M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated Zamak 15 / ZnAl4Cu1	CuZn Nickel plated Zamak 15 / ZnAl4Cu1
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes 1 box	EG8BD2S3P25200 EG8BD2S3P25100	EG8BD2S4P25200 EG8BD2S4P25100
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors **EG8** series

MOULDED IN CABLE



M12 / M8 Extension

IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	
D MM style	D MM style	D LM style	
E LF style	E LF style	E LF style	
Non-rewireable connector with angled locking nut male (M12) and female (M8) straight version	Non-rewireable connector with angled locking nut male (M12) and female (M8) straight version	Non-rewireable connector with single straight locking nut male (M12 Y) and double female (M8) straight version	
black	black	black	
male + female	male + female	male + female	
3	4	3	
PUR	PUR	PUR	
0,25 mm ²	0,25 mm ²	0,25 mm ²	
2 m	2 m	1 m	
EG8BK2S3P25200	EG8BK2S4P25200	order no. YG8BD2S3P25100	
order no. EG8BK2S3P25100	order no. EG8BK2S4P25100	order no. YG8BD2S3P25060	
black	black	black	
brown - blue - black	brown - white - blue - black	brown - blue - black	
5,0 mm	5,0 mm	5,0 mm	
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	
			
▷ Code A	▷ Code A	▷ Code A	
1 mm	1 mm	1 mm	
60 V AC/DC	30 V AC/DC	60 V AC/DC	
3 A	3 A	3 A	
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	
Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1	
M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m	M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m	M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m	
CuSn gold plated	CuSn gold plated	CuSn gold plated	
PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue	
TPU	TPU	TPU	
CuZn Nikel plated	CuZn Nikel plated	CuZn Nikel plated	
Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1	
Viton	Viton	Viton	
IP 67	IP 67	IP 67	
3	3	3	
HB	HB	HB	
HB	HB	HB	
100 pieces	100 pieces	100 pieces	
EG8BK2S3P25200	EG8BK2S4P25200	YG8BD2S3P25100	
EG8BK2S3P25100	EG8BK2S4P25100	YG8BD2S3P25060	
10...12 Kg	10...12 Kg	10...12 Kg	
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	



M12 / M8 Extension

Product description		IEC 61076-2-101	IEC 61076-2-101
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		D LM style E MF style	D LM style E MF style
Description		Non-rewireable connector with straight locking nut male (M12) and female (M8) angled version	Non-rewireable connector with straight locking nut male (M12) and female (M8) angled version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	4
Cable type		PUR	PUR
Conductor specification		0,25 mm ²	0,25 mm ²
Cable length		2 m	2 m
Order no.		EW8BD2S3P25200	EW8BD2S4P25200
Other standard options	cable length 1,0m cable length 0,6m	order no. EW8BD2S3P25100	order no. EW8BD2S4P25100
Cable jacket colour		black	black
Conductor colours		brown - blue - black	brown - white - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-40°C to + 80°C	-40°C to + 80°C
Drawing		<p>> Code A</p>	<p>> Code A</p>
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	30 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1
Fixing screw torque		M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m	M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated- Zamak 15 / ZnAl4Cu1	CuZn Nickel plated- Zamak 15 / ZnAl4Cu1
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	EW8BD2S3P25200	EW8BD2S4P25200
	1 box	EW8BD2S3P25100	EW8BD2S4P25100
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Circular Connectors EW8 series

MOULDED IN CABLE



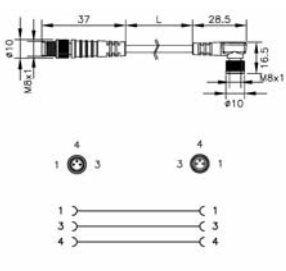
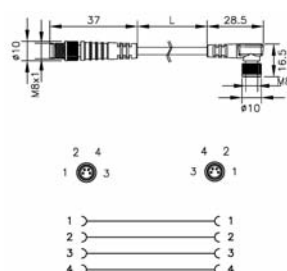
M12 / M8 Extension




IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	
D MM style	D MM style	D LM style	
E MF style	E MF style	E MF style	
Non-rewireable connector with angled locking nut male (M12) and female (M8) angled version	Non-rewireable connector with angled locking nut male (M12) and female (M8) angled version	Non-rewireable connector with single straight locking nut male (M12 Y) and double female (M8) angled version	
black	black	black	
male + female	male + female	male + female	
3	4	3	
PUR	PUR	PUR	
0,25 mm ²	0,25 mm ²	0,25 mm ²	
2 m	2 m	1 m	
EW8BK2S3P25200	EW8BK2S4P25200	YW8BD2S3P25100	
order no. EW8BK2S3P25100	order no. EW8BK2S4P25100	order no. YW8BD2S3P25060	
black	black	black	
brown - blue - black	brown - white - blue - black	brown - blue - black	
5,0 mm	5,0 mm	5,0 mm	
-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C	
<p>▷ Code A</p>	<p>▷ Code A</p>	<p>▷ Code A</p>	
1 mm	1 mm	1 mm	
60 V AC/DC	30 V AC/DC	60 V AC/DC	
3 A	3 A	3 A	
≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	
Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1	Lock nut M8 x 1 - M12 x 1	
M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m	M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m	M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m	
CuSn gold plated	CuSn gold plated	CuSn gold plated	
PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue	PA6 black - PA6T / 61 GF blue	
TPU	TPU	TPU	
CuZn Nickel plated- Zamak 15 / ZnAl4Cu1	CuZn Nickel plated- Zamak 15 / ZnAl4Cu1	CuZn Nickel plated- Zamak 15 / ZnAl4Cu1	
Viton	Viton	Viton	
IP 67	IP 67	IP 67	
3	3	3	
HB	HB	HB	
HB	HB	HB	
100 pieces	100 pieces	100 pieces	
EW8BK2S3P25200	EW8BK2S4P25200	YW8BD2S3P25100	
EW8BK2S3P25100	EW8BK2S4P25100	YW8BD2S3P25060	
10...12 Kg	10...12 Kg	10...12 Kg	
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	



Product description		IEC 61076-2-101	IEC 61076-2-101
Standard		IEC 61076-2-101	IEC 61076-2-101
Construction type		E LM and E LF style	E LM and LF style
Description		Non-rewireable connector with M8 locking nut male and female straight version	Non-rewireable connector with M8 locking nut male and female straight version
Housing colour		black	black
Type of contact		male + female	male + female
Number of contacts		3	4
Cable type		PUR	PUR
Conductor specification		0,25 mm ²	0,25 mm ²
Cable length		2 m	2 m
Order no.		EG8BG8S3P25200	EG8BG8S4P25200
Other standard options	cable length 1,0m	order no. EG8BG8S3P25100	order no. EG8BG8S4P25100
Cable jacket colour		black	black
Conductor colours		brown - white - blue	brown - white - blue - black
Cable diameter +/-5%		5,0 mm	5,0 mm
Temperature range	static application flexible application	-40°C to + 80°C static	-40°C to + 80°C static
Drawing			
Technical data			
Pin dimension		1 mm	1 mm
Rated voltage max.		60 V AC/DC	30 V AC/DC
Rated current max.		3 A	3 A
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Mounting		Lock nut M8 x 1	Lock nut M8 x 1
Fixing screw torque		min. 0,3; max. 0,5 N/m	min. 0,3; max. 0,5 N/m
Material			
Contact material		CuSn gold plated	CuSn gold plated
Contact holder material		PA6 black	PA6 black
Housing material		TPU	TPU
Coupling nut material		CuZn Nickel plated	CuZn Nickel plated
O-Ring		Viton	Viton
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Inflammability class			
Contact holder material		HB	HB
Housing material		HB	HB
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	EG8BG8S3P25200	EG8BG8S4P25200
	1 box	EG8BG8S3P25100	EG8BG8S4P25100
Approximate weight per box		10...12 Kg	10...12 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			



IEC 61076-2-101	IEC 61076-2-101		
E LM and MF style	E LM and MF style		
Non-rewireable connector with M8 straight locking nut male and female angled version	Non-rewireable connector with M8 straight locking nut male and female angled version		
black	black		
male + female	male + female		
3	4		
PUR	PUR		
0,25 mm ²	0,25 mm ²		
2 m	2 m		
EW8BG8S3P25200	EW8BG8S4P25200		
order no. EW8BG8S3P25100	order no. EW8BG8S4P25100		
black	black		
brown - white - blue	brown - white - blue - black		
5,0 mm	5,0 mm		
-40°C to + 80°C static	-40°C to + 80°C static		
			
1 mm	1 mm		
60 V AC/DC	30 V AC/DC		
3 A	3 A		
≤ 10 mΩ	≤ 10 mΩ		
Lock nut M8 x 1	Lock nut M8 x 1		
min. 0,3; max. 0,5 N/m	min. 0,3; max. 0,5 N/m		
CuSn gold plated	CuSn gold plated		
PA6 black	PA6 black		
TPU	TPU		
CuZn Nikel plated	CuZn Nikel plated		
Viton	Viton		
IP 67	IP 67		
3	3		
HB	HB		
HB	HB		
100 pieces	100 pieces		
EW8BG8S3P25200	EW8BG8S4P25200		
EW8BG8S3P25100	EW8BG8S4P25100		
10...12 Kg	10...12 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		

DESCRIPTION	PAG
<p>SERIES: SKR</p> 	<p>Reed switches 172</p>
<p>SERIES: SKH</p> 	<p>Electronic switches 174</p>
<p>SERIES: SF - SA</p> 	<p>Locking bands 176</p>



Product description			
Description		Magnetic position detector REED type for cylinder grooves ISO 6431/15552 VDMA 24562 cable with 2 conductors, function indicator (LED), hexagonal fixing key	Magnetic position detector REED type for cylinder grooves ISO 6431/15552 VDMA 24562 with M8 circular connector 2 contacts function indicator (LED), hexagonal fixing key
Housing colour		black	black
Number of contacts		2	2
Cable type		CEI 2022 II O.R. grey RAL7035	PUR/PVC grey RAL7035
Cable length		2 m	0,3 m
Order no.		SKR2C01200	SKR2P01M8
Other standard types		cable length 5m cable length 10m	
Cable diameter		2,7 mm	2,7 mm
Conductor specification		0,14 mm ²	0,14 mm ²
Temperature range		static application flexible application	-25°C to + 70°C
Drawing			
Technical data			
Rated voltage		5-130 V AC/DC	5-50 V AC/DC
Current max.		200 mA	200 mA
Power max.		6 W	6 W
Voltage drop max.		3 V	3 V
LED colour		yellow	yellow
Mounting		hexagonal headless M3 screw	hexagonal headless M3 screw
Fixing screw torque		max. 0,15 N/m	max. 0,15 N/m
Material			
Housing material		PA6	PA6
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:		2 boxes SKR2C01200 4 boxes SKR2C01500 4 boxes SKR2C0110X	SKR2P01M8
Approximate weight per box		2 Kg	2 Kg
Box dimension		29 x 15 x 18 cm	29 x 15 x 18 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			

Top assembly sensors S series

Proximity sensors for magnetic cylinders

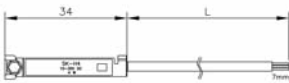
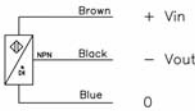
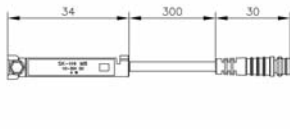
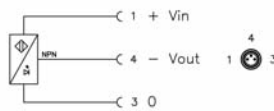


Magnetic position detector REED type for cylinder grooves ISO 6431/15552 VDMA 24562 cable with 3 conductors, function indicator (LED), hexagonal fixing key	Magnetic position detector REED type for cylinder grooves ISO 6431/15552 VDMA 24562 with M8 circular connector 3 contacts function indicator (LED), hexagonal fixing key	Magnetic position detector REED type for cylinder grooves ISO 6431/15552 VDMA 24562 cable with 2 conductors, function indicator (LED), hexagonal fixing key	Magnetic position detector REED type for cylinder grooves ISO 6431/15552 VDMA 24562 M12 circular connectors 2 contacts function indicator (LED), hexagonal fixing key
black	black	black	black
3	3	2	2
CEI 2022 II O.R. grey RAL7035	PUR/PVC grey RAL7035	CEI 2022 II O.R. grey RAL7035	PUR/PVC grey RAL7035
2 m	0,3 m	2 m	0,3 m
SKR3C01200	SKR3P01M8	SKR6C01200	SKR6P01M1
order no. SKR3C01500		order no. SKR6C01500	
order no. SKR3C0110X		order no. SKR6C0110X	
2,7 mm	2,7 mm	2,7 mm	2,7 mm
0,14 mm ²	0,14 mm ²	0,14 mm ²	0,14 mm ²
-5°C to + 70°C	-25°C to + 70°C	-5°C to + 70°C	-25°C to + 70°C
5-30 V AC/DC	5-30 V AC/DC	5-230 V AC	5-230 V AC
500 mA	500 mA	200 mA	200 mA
6 W	6 W	10 W	10 W
0,1 V	0,1 V	3 V	3 V
yellow	yellow	yellow	yellow
hexagonal headless M3 screw max. 0,15 N/m	hexagonal headless M3 screw max. 0,15 N/m	hexagonal headless M3 screw max. 0,15 N/m	hexagonal headless M3 screw max. 0,15 N/m
PA6	PA6	PA6	PA6
IP 67	IP 67	IP 67	IP 67
3	3	3	3
100 pieces	100 pieces	100 pieces	100 pieces
SKR3C01200	SKR3P01M8	SKR6C01200	SKR6P01M1
SKR3C01500		SKR6C01500	
SKR3C0110X		SKR6C0110X	
2 Kg	2 Kg	2 Kg	2 Kg
29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm	29 x 15 x 18 cm



Product description			
Description		Magnetic position detector Magneto Resistive PNP type for cylinder grooves ISO 6431/15552 VDMA 24562 cable with 3 conductors, function indicator (LED), hexagonal fixing key	Magnetic position detector Magneto Resistive PNP type for cylinder grooves ISO 6431/15552 VDMA 24562 M8 circular connector 3 contacts function indicator (LED), hexagonal fixing key
Housing colour		black	black
Number of contacts		3	3
Cable type		CEI 2022 II O.R. grey RAL7035	PUR/PVC grey RAL7035
Cable length		2 m	0,3 m
Order no.		SKH2C01200	SKH2P01M8
Other standard types		cable length 5m order no. SKH2C01500 cable length 10m order no. SKH2C0110X	
Cable diameter		2,7 mm	2,7 mm
Conductor specification		0,14 mm ²	0,14 mm ²
Temperature range		static application flexible application -5°C to + 70°C	-25°C to + 70°C
Drawing			
Technical data			
Voltage		30 V DC	30 V DC
Current max.		200 mA	200 mA
Power max.		4 W	4 W
Voltage drop max.		0,7 V	0,7 V
LED colour		yellow	yellow
Mounting		hexagonal headless M3 screw	hexagonal headless M3 screw
Fixing screw torque		max. 0,15 N/m	max. 0,15 N/m
Material			
Housing material		PA6	PA6
Environmental conditions			
Protection class (EN 60529)		IP 67	IP 67
Pollution severity (EN 60664-1)		3	3
Packaging			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:		2 boxes SKH2C01200 4 boxes SKH2C01500 4 boxes SKH2C0110X	SKH2P01M8
Approximate weight per box		2 Kg	2 Kg
Box dimension		29 x 15 x 18 cm	29 x 15 x 18 cm
Notes			
Technical specifications on cables and accessories see pages 177-181			



<p>Magnetic position detector Magneto Resistive NPN type for cylinder grooves ISO 6431/15552 VDMA 24562 cable with 3 conductors, function indicator (LED), hexagonal fixing key</p> <p>black</p> <p>3</p> <p>CEI 2022 II O.R. grey RAL7035</p> <p>2 m</p> <p>SKH4C01200</p> <p>order no. SKH4C01500</p> <p>order no. SKH4C0110X</p> <p>2,7 mm</p> <p>0,14 mm²</p> <p>-5°C to + 70°C</p>	<p>Magnetic position detector Magneto Resistive NPN type for cylinder grooves ISO 6431/15552 VDMA 24562 M8 circular connector 3 contacts function indicator (LED), hexagonal fixing key</p> <p>black</p> <p>3</p> <p>PUR/PVC grey RAL7035</p> <p>0,3 m</p> <p>SKH4P01M8</p> <p>2,7 mm</p> <p>0,14 mm²</p> <p>-25°C to + 70°C</p>		
 	 		
<p>30 V DC</p> <p>200 mA</p> <p>4 W</p> <p>0,7 V</p> <p>yellow</p> <p>hexagonal headless M3 screw</p> <p>max. 0,15 N/m</p> <p>PA6</p> <p>IP 67</p> <p>3</p> <p>SKH4C01200</p> <p>SKH4C01500</p> <p>SKH4C0110X</p> <p>2 Kg</p> <p>29 x 15 x 18 cm</p>	<p>30 V DC</p> <p>200 mA</p> <p>4 W</p> <p>0,7 V</p> <p>yellow</p> <p>hexagonal headless M3 screw</p> <p>max. 0,15 N/m</p> <p>PA6</p> <p>IP 67</p> <p>3</p> <p>SKH4P01M8</p> <p>2 Kg</p> <p>29 x 15 x 18 cm</p>		

Proximity sensors for magnetic cylinders



Product description													
Description		Locking bands for aluminium micro cylinders ISO 6432 with M3 stainless steel nut and stainless steel hexagonal screw			Locking bands for inox micro cylinders ISO 6432 with M3 stainless steel nut and stainless steel hexagonal screw								
Housing colour		black			black								
Cylinder bore	bore 8	Order no. SA08			Order no. SF08								
	bore 10	Order no. SA10			Order no. SF10								
	bore 12	Order no. SA12			Order no. SF12								
	bore 16	Order no. SA16			Order no. SF16								
	bore 20	Order no. SA20			Order no. SF20								
	bore 25	Order no. SA25			Order no. SF25								
Drawing													
Technical data													
Mounting		Hexagonal M3 stainless steel screw			Hexagonal M3 stainless steel screw								
Fixing screw torque		max. 0,5 N/m			max. 0,5 N/m								
Dimension		o. no=	L1	L2	L3	Rb	Ra	o. no=	L1	L2	L3	Rb	Ra
		SA08=	9	16	14	4,7	8 (mm)	SF08=	9	16	14	4,7	7,5 (mm)
		SA10=	9	16	15,5	5,5	9,5 (mm)	SF10=	9	16	15,5	5,5	8 (mm)
		SA12=	12	17,5	17	6,7	11,5 (mm)	SF12=	12	17,5	17	6,7	10 (mm)
		SA16=	13	18,5	20,5	8,7	13,5 (mm)	SF16=	13	18,5	20,5	8,7	12 (mm)
		SA20=	15	20,5	21,5	10,5	15,5 (mm)	SF20=	15	20,5	21,5	10,5	14 (mm)
		SA25=	17	23	22,5	13,5	18 (mm)	SF25=	17	23	22,5	13,5	16,5 (mm)
Material													
Housing material		PA6 GF			PA6 GF								
Packaging													
Minimum quantity		100 pieces			100 pieces								
Number of boxes suitable:		1 box			all types								
Approximate weight per box		1 Kg			1 Kg								
Box dimension		29 x 15 x 18 cm			29 x 15 x 18 cm								
Notes													
Other brackets available upon request													

CODES		PRODUCT
8KAS123		100 fixing screws for connectors M3x32,5
8KAS138		100 fixing screws for connectors M3x32,5 INOX
8KCS142		100 fixing screws for connectors M2,5x27,5
8KDS142		100 fixing screws for connectors M3x27,5
8MAS126		100 fixing screws for connectors M3x28,5
8MAS143		100 fixing screws for connectors M3x28,5 INOX
8MDS145		100 fixing screws for connectors M3x23
8MCS146		100 fixing screws for connectors M2,5x23
8BAPE34		100 fixing screws for bases M3x6
8BAF310		100 fixing screws for bases M3x10
8BBB132		100 central fixing screw M4x15,5 CuSn for bases BB
8BDF385		100 fixing screws for bases M3x8,5

CODES		PRODUCT
8KAS124		100 gaskets for connectors P18 prof. NBR
8KAS148		100 gaskets for connectors P18 prof. Silicone
8KAS134		100 gaskets for connectors P18 flat NBR
8KAS149		100 gaskets for connectors P18 flat Silicone
8KBS154		100 gaskets for connectors P11-P10 prof. NBR
8KBS135		100 gaskets for connectors P11-P10 flat NBR
8KCS159		100 gaskets for connectors P8-P9,4 prof. NBR
8KCS160		100 gaskets for connectors P8-P9,4 flat NBR
8BAS163		100 gaskets for bases
8BDS164		100 gaskets for bases
8KAS153		O-ring IP67 for fixing screws M3
C110995		marking label for connectors
C111307		label holder for cables
C141122		locking screw per M12 receptacles M16
C141123		locking screw per M12 receptacles PG9
203151410		Pins protection cap for coils with connection B industrial
230150410		Pins protection cap for coils with connection A EN175301-803 ISO4400 (DIN 43650)

Cable type	Atam series	Features	Specifications	Min. bending radius (static application)
PVC IMQ-HAR	A...	Suitable for common applications. Low resistance to common oils	CEI 20-20 UNEL 35746 CENELEC HD21	15 x outer diameter
PVC CEI 2022 II O.R. IMQ CE	C...	Suitable for common applications in industrial automation. Moderate resistance to common oils Flame retardant according to IEC 60332-3A	CEI 20-20 UNEL 35749	10 x outer diameter
BiHF-J (Silicone)	F...	Silicone cables are used in heating appliances outstanding heat and cold resistance. Halogen free (acc. to IEC 60754-1) Flame retardant according to IEC 60332-1 + EN50265-2-1 Flexible at low temperature		4 x outer diameter
PVC	G...	Suitable for control devices, e.g. on machine tools, conveyor or assembly lines, transporting equipments. Suitable for medium mechanical stresses without tensile stress or forced movements but not suitable for open air. Extensively oil resistant Flame retardant according to IEC 60332-1		4 x outer diameter
PVC / UL-CSA	L...	UL listed and CSA certified flexible control cable rated at 600V. Used on machine tools, control systems, assembly lines. Moderate flexible application. Resistant to mineral oils and outer jacket approved to improved oil resistant test.	UL Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V	4 x outer diameter
PUR / PVC LiY11Y	P...	PUR compound jacketed cable with high resistance to mineral oils especially suited for use in machine tool and heavy environment. Suitable for outdoor and resistant to UV radiation and hydrolysis Conditionally resistant to microbes. Flame retardant according to IEC 60332-1	2002/95/CE	10 x outer diameter

Atam code	Outer jacket specification	Outer jacket colour	Conductors colour	No. of cores x cross section (n x mm ²)	Outer Ø mm.+/- 0,5	Nominal voltage U ₀ / U	
A012	PVC H03VV-F	Black RAL 9005	br-blue	2 x 0,5	5,1	300 / 300	
A013	PVC H03VV-F	Black RAL 9005	br-blue-yellowgreen	3 G 0,5	5,5	300 / 300	
A014	PVC H03VV-F	Black RAL 9005	br-grey-black-yellowgreen	4 G 0,5	6,1	300 / 300	
A052	PVC H05VV-F	Black RAL 9005	br-blue	2 x 0,75	6,3	300 / 500	
A053	PVC H05VV-F	Black RAL 9005	br-blue-yellowgreen	3 G 0,75	6,7	300 / 500	
A054	PVC H05VV-F	Black RAL 9005	br-grey-black-yellowgreen	4 G 0,75	7,3	300 / 500	
A062	PVC H05VV-F	Black RAL 9005	br-blue	2 x 1	6,6	300 / 500	
A063	PVC H05VV-F	Black RAL 9005	br-blue-yellowgreen	3 G 1	7,0	300 / 500	
C012	PVC CEI 2022 II	Grey RAL 7035	br-blue	2 x 0,14	2,7	300 / 300	
C013	PVC CEI 2022 II	Grey RAL 7035	br-blue-black	3 x 0,14	2,7	300 / 300	
C032	PVC CEI 2022 II	Grey RAL 7035	br-blue	2 x 0,5	5,1	300 / 300	
C033	PVC CEI 2022 II	Grey RAL 7035	br-blue-yellowgreen	3 G 0,5	5,5	300 / 300	
C034	PVC CEI 2022 II	Grey RAL 7035	br-grey-black-yellowgreen	4 G 0,5	6,0	300 / 300	
C044	PVC CEI 2022 II	Grey RAL 7035	br-grey-black-yellowgreen	4 G 0,75	6,5	300 / 500	
C045	PVC CEI 2022 II	Grey RAL 7035	br-grey-black-blue-ylgre	5 G 0,75	6,8	300 / 500	
C052	PVC CEI 2022 II	Grey RAL 7035	br-blue	2 x 1	6,5	450 / 750	
C053	PVC CEI 2022 II	Grey RAL 7035	br-blue-yellowgreen	3 G 1	7,0	450 / 750	
C253	PVC CEI 2022 II	Grey RAL 7035	br-blue-black	3 x 0,25	4,5	300 / 300	
C254	PVC CEI 2022 II	Grey RAL 7035	br-blue-black-white	4 x 0,25	5,0	300 / 300	
C255	PVC CEI 2022 II	Grey RAL 7035	br-blue-black-white-grey	5 x 0,25	5,0	300 / 300	
C343	PVC CEI 2022 II	Grey RAL 7035	br-blue-black	3 x 0,34	5,0	300 / 300	
C344	PVC CEI 2022 II	Grey RAL 7035	br-blue-black-white	4 x 0,34	5,0	300 / 300	
C345	PVC CEI 2022 II	Grey RAL 7035	br-blue-black-bi-grey	5 x 0,34	5,5	300 / 300	
F053	SILICONE	Red RAL 3016	br-blue-yellowgreen	3 G 0,75	6,5	300 / 500	
G033	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	3 G 0,5	5,4	300 / 500	
G034	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	4 G 0,5	5,8	300 / 500	
G035	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	5 G 0,5	6,5	300 / 500	
G053	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	3 G 0,75	6,2	300 / 500	
G054	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	4 G 0,75	6,7	300 / 500	
G055	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	5 G 0,75	7,3	300 / 500	
G063	PVC	Grey RAL 7000	DIN VDE 0293 + HD186	3 x 1	6,4	300 / 500	
L082	PVC VDE UL+CSA	Grey RAL 7000	DIN VDE 0293 + HD186	2 x AWG20	5,3	VDE 300 / 500 - UL+CSA 600V	
L083	PVC VDE UL+CSA	Grey RAL 7000	DIN VDE 0293 + HD186	3 X AWG20	5,6	VDE 300 / 500 - UL+CSA 600V	
L063	PVC VDE UL+CSA	Grey RAL 7000	DIN VDE 0293 + HD186	3 X AWG18	6,4	VDE 300 / 500 - UL+CSA 600V	
P012	PUR LiY11Y	Grey RAL 7035	CENELEC HD 308 S2	2 x 0,14	2,7	300 / 300	
P013	PUR LiY11Y	Grey RAL 7035	CENELEC HD 308 S2	3 x 0,14	2,7	300 / 300	
P112	PUR LiY11Y	Black (matt)	br-blue	2 x 0,5	5,0	300 / 300	
P113	PUR LiY11Y	Black (matt)	br-blue-yellowgreen	3 G 0,5	5,5	300 / 300	
P114	PUR LiY11Y	Black (matt)	br-grey-black-yellowgreen	4 G 0,5	6,0	300 / 300	
P122	PUR LiY11Y	Black (matt)	br-blue	2 x 0,75	6,3	300 / 500	
P123	PUR LiY11Y	Black (matt)	br-blue-yellowgreen	3 G 0,75	6,7	300 / 500	
P253	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	3 x 0,25	4,5	300 / 300	
P254	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	4 x 0,25	5,0	300 / 300	
P255	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	5 x 0,25	5,0	300 / 300	
P343	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	3 x 0,34	5,0	300 / 300	
P344	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	4 x 0,34	5,0	300 / 300	
P345	PUR LiY11Y	Black (matt)	CENELEC HD 308 S2	5 x 0,34	5,5	300 / 300	

