

## M12 male 90° A-cod. / MSUD valve plug B-10mm

PVC 3x0.75 gy 1.5m

Form B (10 mm) - M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression

Further cable lengths on request.

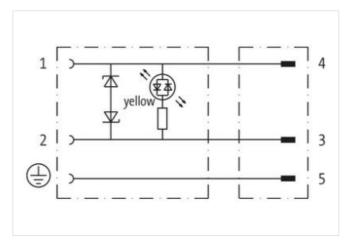
Plastic housings with good resistance against chemicals and oils.

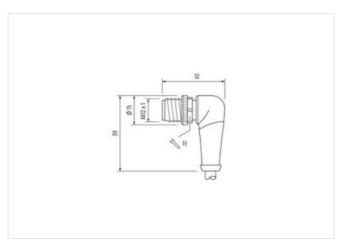
The resistance to aggressive media should be individually tested for your application. Further details on request.

## **Link to Product**

## Illustration







Product may differ from Image



1,5 m Cable length Side 1 Tightening torque 0,4 Nm



stay connected

Side 2         Content of protection (EN IEC 60529)         O.6 Non           Progress of protection (EN IEC 60529)         PREK (IPG 7           Commercial data         Control (EN IEC 60529)         PREK (IPG 7           CLASS 8-0         27279218         CLASS 8-1         CEC 60528           CLASS 8-1         27279218         CEC 60538-7         CEC 60537-7	Thread	M3
Tightening torque         0,6 Nm           Intrinad         M12 x 1           Degree of protection (EN IEC 60529)         IP66K, IP67           Commercial data         CCLASS 8-0           CCLASS 8-0         27279218           CCLASS 9-0         27279218           CCLASS 9-0         27279218           CCLASS 9-0         27279218           CCLASS 9-0         27279218           CCLASS 9-1         27060312           CCLASS 9-1         27060312           CCLASS 9-1         27060312           CCLASS 9-1         27060312           CCLASS 9-1.0         27070312           CCLASS 9-1.0         27070312           CCLASS 9-1.0         27070312	Degree of protection (EN IEC 60529)	IP66K, IP67
Process   Proc	Side 2	
Process   Proc	Tightening torque	0.6 Nm
Personal data   Calcas	Thread	· · · · · · · · · · · · · · · · · · ·
Commercial data         CLASS-6.0         27279218           CCLASS-7.0         27279218           CCLASS-7.0         27279218           CCLASS-8.0         27279218           CCLASS-9.0         27069312           CCLASS-10.1         27069312           CCLASS-11.1         27069312           CCLASS-12.0         27069312           CCLASS-11.1         27069312           CCLASS-12.0         27069312           TIM-5.0         ECD01855           SECHANGER Tumber         8544290           3TIN         4048879610100           ***Capacity CX         20 ms           **Electrical data         ***Department Tumber           **Capacity CX         20 ms           **Electrical data   Supply           **Departing voltage AC min.         19.2 V           **Departing voltage AC min.         19.2 V           **Poperating voltage AC min.         19.2 V           **Poperating voltage DC min.         18 V           **Poperating voltage DC min.         18 V           **Poperating voltage DC min.         18 V           **Poperating voltage DC max.         30 V           ***Lord Flow voltage max.         55 V           **Stating indication LED		
CLASS 6.0   27279218		
CLASS-6.1   27279218   CLASS-7.0   27279218   CLASS-7.0   27279218   CLASS-9.0   27279218   CLASS-9.0   27279218   CLASS-9.0   27269312   CLASS-1.1   27060312   CLASS-1.1   27060312   CLASS-1.1   27060312   CLASS-1.0   CLA		27970910
CLASS-7.0   2779218		
CLASS 8.0   27279218   CLASS 8.0   27269312   CLASS 8.0   27069312   CLASS 9.0   27069312   CLASS 9.1   27069312		
CLASS-8.0   27060312		
ECLASS-10.1 27060312  CLASS-11.0 27060312  ETIM-5.0 EC001855  usulsoms tariff number 8,5444290  3TIN 4048879610100  Packaging unit 1  Electrical data  Papacity CX 20 ms  Electrical data   Supply  Deparating voltage AC 24 V  Operating voltage AC 24 V  Operating voltage AC max. 28,8 V  Operating voltage AC max. 28,8 V  Operating voltage DC 14 V  Operating voltage DC 14 V  Operating voltage DC 15 V  Operating voltage DC 15 V  Operating voltage DC 18 V  Operating to the voltage Table V  Operating to the voltage Tab		
ECLASS-11.1 27060312  ECLASS-12.0 27060312  IIIM-5.0 ECO01855  IIIM-5.		
### COLASS-12.0	ECLASS-11.1	
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Active from the first of the fi	customs tariff number	85444290
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Electrical data   Supply  Deprating voltage AC 24 V  Deprating voltage AC min. 19.2 V  Deprating voltage AC min. 19.2 V  Deprating voltage BC min. 18.2 V  Deprating voltage BC min. 18.3 V  Deprating voltage BC max. 30 V  Deprating voltage BC max. 30 V  Deprating voltage BC max. 30 V  Deprating voltage BC max. 4 A  Durient operating per contact max. 4 A  Durient consumption max. 12 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical deditional condition protection degree inserted, screwed dated surge voltage action and surgery and screwed waterial bousing black  Material bousing black  Material bousing Plastic  Mechanical data   Mounting data   Mounting data   Mounting data   Mounting method inserted, screwed    Deprating remperature min. 25 °C  Deprating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Volce on bending radius Atterion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Packaging unit	1
Electrical data   Supply  Operating voltage AC	Electrical data	
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Diagnostics Status indication LED yellow  Device protection   Electrical  Additional condition protection degree inserted, screwed  Rated surge voltage 0,8 kV  Mechanical data   Material data  Color housing black Material housing Plastic  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radiiw when laying cables, as the IP protection class can be endangered by excessive bending forces.	Cut-off peak voltage max.	55 V
Diagnostics Status indication LED yellow  Device protection   Electrical  Additional condition protection degree inserted, screwed  Stated surge voltage 0,8 kV  Mechanical data   Material data  Color housing black Material housing Plastic  Mechanical data   Mounting data  Wounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Current operating per contact max.	4 A
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endangered by excessive bending forces.	Note on strain relief	
Installation   Cable	Note on bending radius	
	Installation   Cable	



## stay connected

Cable identification	216
Cable Type	1
Printing color of wire insulation	white (isolation black)
Jacket Color	gray
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	63,8 g/m
Material jacket	PVC
Shore hardness jacket	80 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,8 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	43 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter