

## M12 male 0° A-cod. / MSUD valve plug CI-9.4mm

PVC 3x0.75 bk 0.3m

**MSUD** 

Form CI (9.4 mm) - M12, male straight 24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

LED and suppression

Further cable lengths on request.

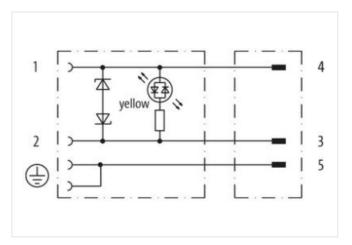
Plastic housings with good resistance against chemicals and oils.

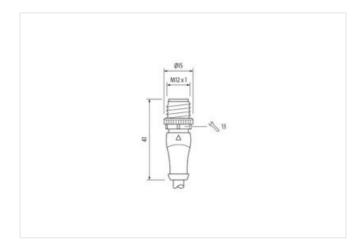
The resistance to aggressive media should be individually tested for your application. Further details on request.

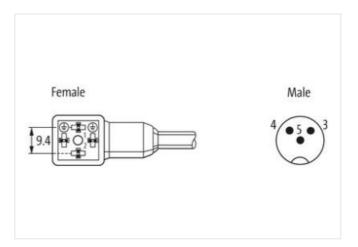
## **Link to Product**

## Illustration



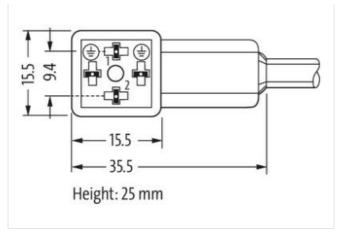








stay connected



Product may differ from Image



Cable length	0,3 m
Side 1	
Tightening torque	0,4 Nm
Thread	M3
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879146807
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data   Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19,2 V
Operating voltage AC max.	28,8 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V



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Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	0.8 kV
	0,0 KV
Mechanical data   Material data	
Color housing	black
Material housing	Plastic
Mechanical data   Mounting data	
Mounting method	inserted, screwed
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Installation   Cable	
Cable identification	616
Cable Type	1
	white (isolation black)
Printing color of wire insulation  Jacket Color	black
Amount stranding	1
Stranding Stranding	3 wires twisted
wire arrangement  Cable weigth	black 1, black 2, green-yellow
	61,6 g/m PVC
Material jacket Shore hardness jacket	80 ± 5 Shore A
<u> </u>	
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)  Tolerance outer diameter (sheath)	5,9 mm ± 5 %
· · · ·	PVC
Material wire insulation	3
Amount wires  Outer diameter insulation	1.8 mm
	±5%
Outer diameter tolerance core insulation  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)  Diameter of single wires	24
Diameter of Single WifeS	
	0,2 mm
Conductor crosssection (wire)	0,75 mm²
Conductor crosssection (wire)  Material conductor wire	0,75 mm² Stranded copper wire, bare
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)	0,75 mm² Stranded copper wire, bare Strand class 5
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Current load capacity (standard)	0,75 mm² Stranded copper wire, bare Strand class 5 to DIN VDE 0298-4
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Current load capacity (standard)  Current load capacity min. wire	0,75 mm² Stranded copper wire, bare Strand class 5 to DIN VDE 0298-4 12 A
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire	0,75 mm² Stranded copper wire, bare Strand class 5 to DIN VDE 0298-4 12 A 26 Ω/km @ 20 °C
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  Max. rated voltage power (conductor - ground)  Max. rated voltage power (conductor -	0,75 mm² Stranded copper wire, bare Strand class 5 to DIN VDE 0298-4 12 A
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  Max. rated voltage power (conductor - ground)  Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power	0,75 mm² Stranded copper wire, bare Strand class 5 to DIN VDE 0298-4 12 A 26 Ω/km @ 20 °C 300 V
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  Max. rated voltage power (conductor - ground)  Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)	0,75 mm² Stranded copper wire, bare Strand class 5 to DIN VDE 0298-4 12 A 26 Ω/km @ 20 °C 300 V 500 V
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  Max. rated voltage power (conductor - ground)  Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)	0,75 mm² Stranded copper wire, bare Strand class 5 to DIN VDE 0298-4 12 A 26 Ω/km @ 20 °C 300 V 500 V 3 kV @ 60 s
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  Max. rated voltage power (conductor - ground)  Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)	0,75 mm² Stranded copper wire, bare Strand class 5 to DIN VDE 0298-4 12 A 26 Ω/km @ 20 °C 300 V 500 V 3 kV @ 60 s 3 kV @ 60 s
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  Max. rated voltage power (conductor - ground)  Max. rated voltage power (conductor - conductor)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)	0,75 mm² Stranded copper wire, bare Strand class 5 to DIN VDE 0298-4 12 A 26 Ω/km @ 20 °C 300 V 500 V 3 kV @ 60 s



Operating temperature max. (dynamic)	70 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
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