

## M12 male 0° A-cod. / MSUD valve plug A-18mm

PUR 3x0.75 gy UL/CSA 3m

Form A (18 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Bridged PE A-coded

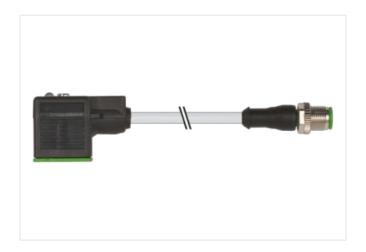
Further cable lengths on request.

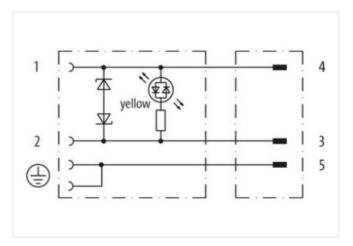
Plastic housings with good resistance against chemicals and oils.

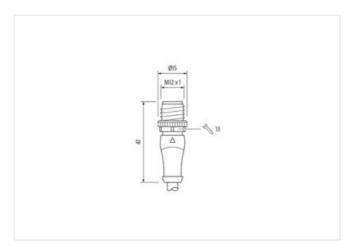
The resistance to aggressive media should be individually tested for your application. Further details on request.

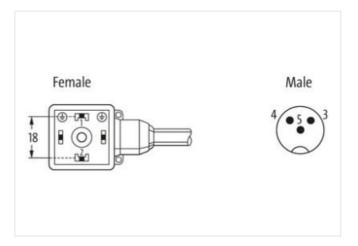
## **Link to Product**

## Illustration



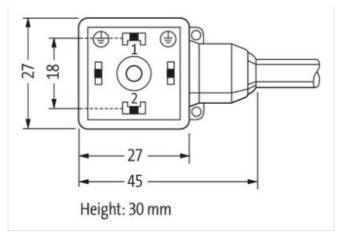








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Product may differ from Image









Cable length	3 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M12
Thread	M3
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Material	PBT
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879152549
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

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Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current consumption max.	15 mA
<u> </u>	13 IIIA
Diagnostics	
Status indication LED	yellow
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	1
Mechanical data   Material data	
Coating locking	Nickeled
Color housing	black
Material gasket	PUR
Material housing	Plastic
Locking material	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted engaged
<u> </u>	inserted, screwed
Environmental characteristics   Climatic	
Operating temperature min.	-25 °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.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
Cable identification	226
Cable Type	2
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	
wire arrangement	3 wires twisted
Cable weigth	3 wires twisted black 1, black 2, green-yellow
Material jacket	black 1, black 2, green-yellow
Material jacket Shore hardness jacket	black 1, black 2, green-yellow 55,33 g/m
•	black 1, black 2, green-yellow 55,33 g/m PUR
Shore hardness jacket	black 1, black 2, green-yellow 55,33 g/m PUR 85 ± 5 Shore A
Shore hardness jacket Freedom from ingredients (jacket)	black 1, black 2, green-yellow  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	black 1, black 2, green-yellow  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,9 mm
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	black 1, black 2, green-yellow  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,9 mm  ± 5 %
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket	black 1, black 2, green-yellow  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  5,9 mm  ± 5 %  PVC
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation	black 1, black 2, green-yellow  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  5,9 mm  ± 5 %  PVC  PVC
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation Amount wires	black 1, black 2, green-yellow  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  5,9 mm  ± 5 %  PVC  PVC  PVC
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation Amount wires Outer diameter insulation	black 1, black 2, green-yellow  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  5,9 mm  ± 5 %  PVC  PVC  3  1,8 mm
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	black 1, black 2, green-yellow  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,9 mm  ± 5 %  PVC  PVC  3  1,8 mm  ± 5 %
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	black 1, black 2, green-yellow  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  5,9 mm  ± 5 %  PVC  PVC  3  1,8 mm  ± 5 %  43 ± 5 Shore D

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Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	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)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C