

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

PUR 3x0.75 gy UL/CSA 8m

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.

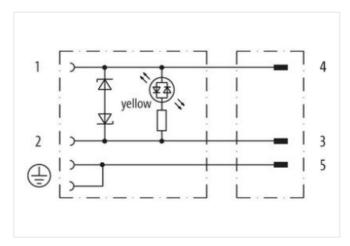
Plastic housings with good resistance against chemicals and oils.

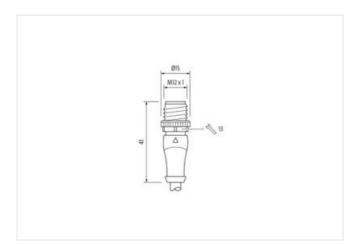
The resistance to aggressive media should be individually tested for your application. Further details on request.

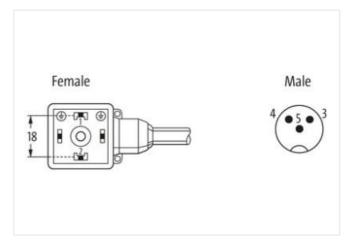
## **Link to Product**

## Illustration











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Product may differ from Image









Cable length	8 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	4048879539418
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 min.  Operating voltage DC max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current operating per contact max.	15 mA
·	15 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)	I
Mechanical data   Material data	
	Ministral
Coating locking	Nickeled
Color housing  Metavial goalest	black
Material gasket	PUR
Material housing	Plastic
Locking material	Zinc die-casting
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	226
Cable Type	2
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
5	
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
wire arrangement  No. of bending cycles (C-track)	black 1, black 2, green-yellow 2 Mio. @ 25 °C
wire arrangement	black 1, black 2, green-yellow
wire arrangement  No. of bending cycles (C-track)  Cable weigth	black 1, black 2, green-yellow 2 Mio. @ 25 °C 55,33 g/m
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket	black 1, black 2, green-yellow 2 Mio. @ 25 °C 55,33 g/m PUR
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket	black 1, black 2, green-yellow 2 Mio. @ 25 °C 55,33 g/m PUR 85 ± 5 Shore A
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	black 1, black 2, green-yellow  2 Mio. @ 25 °C  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,9 mm
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	black 1, black 2, green-yellow  2 Mio. @ 25 °C  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	black 1, black 2, green-yellow  2 Mio. @ 25 °C  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,9 mm  ± 5 %
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material inner jacket	black 1, black 2, green-yellow  2 Mio. @ 25 °C  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,9 mm  ± 5 %  PVC
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  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  2 Mio. @ 25 °C  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
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  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  2 Mio. @ 25 °C  55,33 g/m  PUR  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  5,9 mm  ± 5 %  PVC  PVC  PVC
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  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  2 Mio. @ 25 °C  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 %
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  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  2 Mio. @ 25 °C  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
wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket 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 Ingredient freeness wire insulation	black 1, black 2, green-yellow  2 Mio. @ 25 °C  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 %
wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket 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 Ingredient freeness wire insulation Amount strands (wire)	black 1, black 2, green-yellow  2 Mio. @ 25 °C  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  PVC  3  1,8 mm  ± 5 %  43 ± 5 Shore D  lead-free, cadmium-free, CFC-free, silicone-free  42
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  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  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires	black 1, black 2, green-yellow  2 Mio. @ 25 °C  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 %  43 ± 5 Shore D  lead-free, cadmium-free, CFC-free, silicone-free  42  0,15 mm
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  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  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)	black 1, black 2, green-yellow  2 Mio. @ 25 °C  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 %  43 ± 5 Shore D  lead-free, cadmium-free, CFC-free, silicone-free  42  0,15 mm  0,75 mm²
wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  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  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires	black 1, black 2, green-yellow  2 Mio. @ 25 °C  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 %  43 ± 5 Shore D  lead-free, cadmium-free, CFC-free, silicone-free  42  0,15 mm

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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
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	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