

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

PVC 3x0.75 ye 5m

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

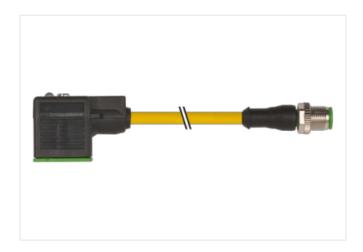
Further cable lengths on request.

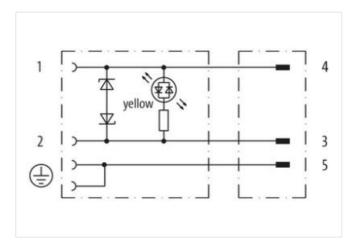
Plastic housings with good resistance against chemicals and oils.

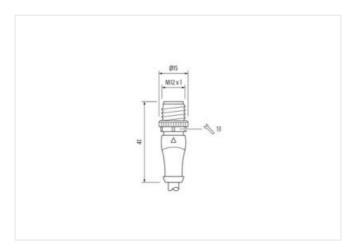
The resistance to aggressive media should be individually tested for your application. Further details on request.

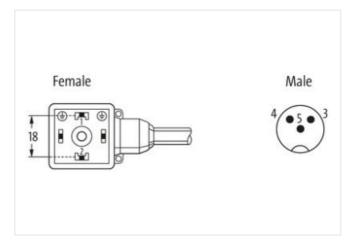
Link to Product

Illustration











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Product may differ from Image







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-10.2 27060312 ECLASS-10.0 EC001855 customs tariff number 85444290 GTIN 4048879312042 Packaging unit 1 Electrical data Supplemental Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC min. 9.4 V </th <th>Cable length</th> <th>5 m</th>	Cable length	5 m
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-10.2 27060312 ECLASS-10.0 EC001855 customs tariff number 85444290 GTIN 4048879312042 Packaging unit 1 Electrical data Supplemental Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC min. 9.4 V </td <td>Side 1</td> <td></td>	Side 1	
Thread M3 suitable for corrugated tube (internal 0) 10 mm Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Tightening torque 0,8 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 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-10.1 27060311 ECLASS-10	Tightening torque	0,4 Nm
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-9.0 27060311 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC01855 customs tariff number 85444290 GTIN 4048879312042 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC min. 24 V Operating voltage AC min. 19.2 V	Family construction form	M12
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 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECTIN-5.0 ECLASS-12.0 4001855 Coustoms tariff number 85444290 GTIN 4048879312042 Packaging unit 1 Electrical data Surplemental Supply Operating voltage AC 24 V	Thread	M3
Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Tightening torque Mile Material M12 x 1 Material PBT Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 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 4048879312042 Packaging unit 1 Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	suitable for corrugated tube (internal Ø)	10 mm
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-9.0 27060312 ECLASS-10.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 Coustoms tariff number 85444290 GTIN 4048879312042 Packaging unit 1 Electrical data Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC min. 19,2 V	Material	PUR
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Degree of protection (EN IEC 60529) IP67	Thread	M12 x 1
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 4048879312042 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Material	PBT
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ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879312042 Packaging unit 1 Electrical data Use of the control of the co	ECLASS-11.1	27060312
customs tariff number 85444290 GTIN 4048879312042 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ECLASS-12.0	27060312
GTIN 4048879312042 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ETIM-5.0	EC001855
Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	customs tariff number	
Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	GTIN	4048879312042
Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Packaging unit	1
Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Electrical data	
Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Drop-out delay time max.	20 ms
Operating voltage AC min. 19,2 V	Electrical data Supply	
	Operating voltage AC	24 V
Operating voltage AC max. 28,8 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>	10 1111/1
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)	
Mechanical data Material data	
Coating locking	Nickeled
Color housing	black
Material gasket	PUR
Material housing	Plastic
Locking material	Zinc die-casting
	Zino dio dasting
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
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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	
wire arrangement	black 1, black 2, green-yellow
Cable identification	016
Cable Type	1
Printing color of wire insulation	white (isolation black)
Jacket Color	
Jacket Color	yellow
Amount stranding	yellow 1
	· · · · · · · · · · · · · · · · · · ·
Amount stranding	1
Amount stranding Stranding	1 3 wires twisted
Amount stranding Stranding wire arrangement	1 3 wires twisted black 1, black 2, green-yellow
Amount stranding Stranding wire arrangement Cable weigth	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m
Amount stranding Stranding wire arrangement Cable weigth Material jacket	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 %
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3 1,8 mm
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3 1,8 mm ± 5 %
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3 1,8 mm ± 5 % 43 ± 5 Shore D good machinability
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3 1,8 mm ± 5 % 43 ± 5 Shore D

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Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm²
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 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 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