

## M12 male 0° A-cod. / MSUD valve plug C-8mm

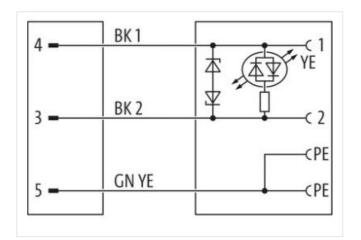
PUR 3x0.75 ye UL/CSA+drag ch. 5m

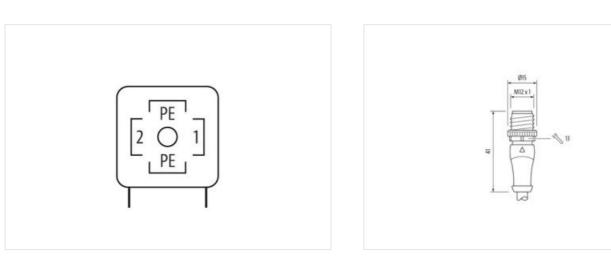
Form C (8 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



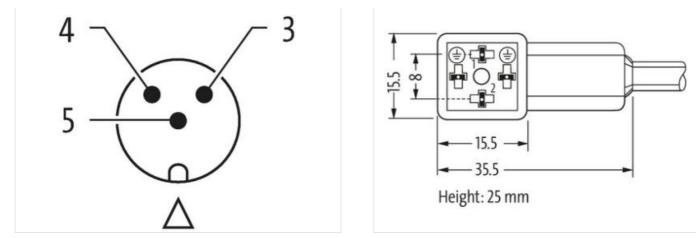






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Product may differ from Image



Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,4 Nm
Family construction form	MSUD C
Thread	M2.5
No. of poles	4
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	4048879146173
Packaging unit	1
Electrical data	
Capacity CX	20 ms

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## 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     Cut-off peak voltage max.   55 V     Current operating per contact max.   4 A     Diagnostics   yellow     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed     Pollution Degree   3
Operating voltage AC max.28,8 VOperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC max.30 VOut-off peak voltage max.55 VCut-off peak voltage max.55 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDyellowDevice protection   ElectricalAdditional condition protection degreeinserted, screwedPollution Degree3
Operating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC max.30 VCut-off peak voltage max.55 VCutrent operating per contact max.4 ADiagnosticsStatus indication LEDyellowDevice protection   ElectricalAdditional condition protection degreeinserted, screwedPollution Degree3
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     Diagnostics   Status indication LED     Status indication LED   yellow     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3
Operating voltage DC max.   30 V     Cut-off peak voltage max.   55 V     Current operating per contact max.   4 A     Diagnostics   yellow     Status indication LED   yellow     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed     Pollution Degree   3
Cut-off peak voltage max.   55 V     Current operating per contact max.   4 A     Diagnostics   vellow     Status indication LED   yellow     Device protection   Electrical   vellow     Additional condition protection degree   inserted, screwed     Pollution Degree   3
Current operating per contact max.   4 A     Diagnostics   5     Status indication LED   yellow     Device protection   Electrical   4     Additional condition protection degree   inserted, screwed     Pollution Degree   3
Diagnostics     Status indication LED   yellow     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3
Status indication LED yellow   Device protection   Electrical inserted, screwed   Additional condition protection degree inserted, screwed   Pollution Degree 3
Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3
Additional condition protection degree inserted, screwed   Pollution Degree 3
Pollution Degree 3
Rated surge voltage 0,8 kV
Material group (IEC 60664-1) I
Additional suppressor Z-Diode
Mechanical data   Material data
Coating locking Nickeled
Color housing black
Material housing Plastic
Locking material Zinc die-casting
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
Conformity
Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)
Installation   Cable
Cable identification 036
Cable Type 3
Cable Type 3 Printing color of wire insulation white (isolation black)
Printing color of wire insulation white (isolation black)
Printing color of wire insulation white (isolation black)   Jacket Color yellow
Printing color of wire insulation white (isolation black)   Jacket Color yellow   Type of Certificate cURus
Printing color of wire insulation white (isolation black)   Jacket Color yellow   Type of Certificate cURus   Amount stranding 1
Printing color of wire insulation white (isolation black)   Jacket Color yellow   Type of Certificate cURus   Amount stranding 1   Stranding 3 wires twisted
Printing color of wire insulation white (isolation black)   Jacket Color yellow   Type of Certificate cURus   Amount stranding 1   Stranding 3 wires twisted   wire arrangement black 1, black 2, green-yellow
Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowNo. of bending cycles (C-track)10 Mio. @ 25 °C
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Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %
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Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3

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Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
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)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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