

**M12 X-treme male 90° / MSUD dbl. valve plug form A**

PUR 4x0.75 bk UL/CSA+drag chain 1,5m

Form A (18 mm) – M12, male 90°

24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

LED and suppression

Connection cable L = 150 mm

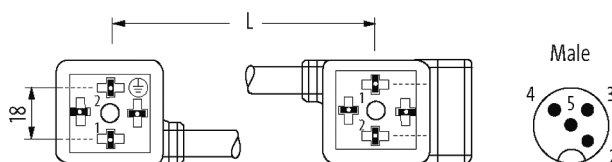
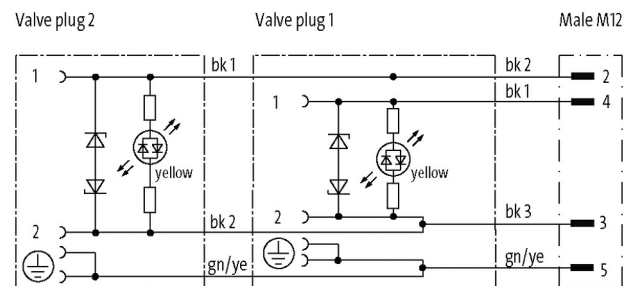
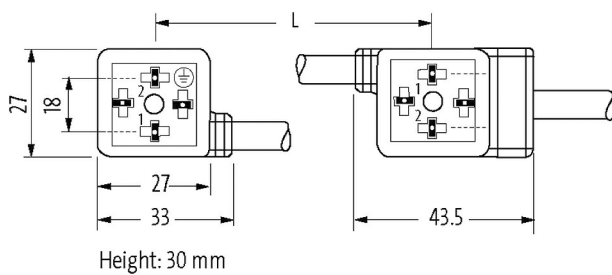
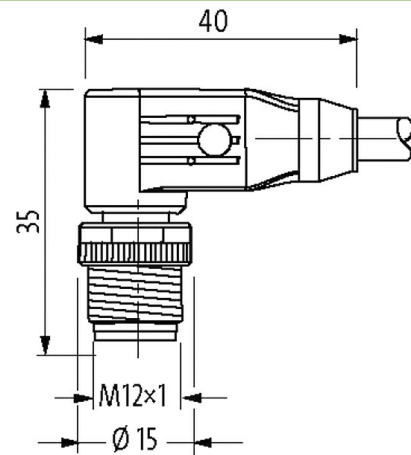
Bridged PE

without cable sleeves

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.

Further cable lengths on request.

**Link to Product****Illustration**

Product may differ from image

**Form**

Form 41531

Technical Data	
Operating voltage	24 V AC $\pm 20\%$ / DC $\pm 25\%$
Rated surge voltage	0.8 kV
Operating current per contact	max. 4 A
Current consumption	max. 15 mA
Material group	IEC 60664-1, category I
Switch off peak	max. 55 V
Switch off delay time	max. 20 ms
Coding	A-coded
LED display	yellow
Locking of ports	M3/M12 $\times$ 1 mm (recommended torque 0.4/0.6 Nm)
Compression gland	M12 (SW13)
Protection	IP67
Locking material	Stainless steel 1.4404 (V4A/M12) / 1.4578 (V4A/M3)
Material	MSUD (PBT); M12 (PUR)
Housing	Black plastic (gray on request)
Additional suppressor	Diode/Z-Diode
General data	
Pollution Degree	3
Material (gasket)	Silicon
Temperature range	-25...+85 °C, depending on cable quality
Cables	
No./diameter of wires	4 $\times$ 0.75 mm <sup>2</sup>
Wire isolation	PP (bk num, gnye)
C-track properties	10 Mio.
Jacket Color	black
Material (jacket)	PUR (UL/CSA)
Outer $\varnothing$	6.5 mm $\pm 5\%$
Bend radius (moving)	10 $\times$ outer $\varnothing$
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-25...+80 °C
Cable identification	637
Cable Type	3 (PUR)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	69,30
Material (wire)	Cu wire, bare
Resistor (core)	max. 26 $\Omega$ /km (20 °C)
Single wire $\varnothing$ (core)	0.15 mm
Construction (core)	42 $\times$ 0.15 mm (multi-strand wire class 6)
Diameter (core)	4 $\times$ 0.75 mm <sup>2</sup>
AWG	similar to AWG 18
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	70 $\pm$ 5 D
Wire- $\varnothing$ incl. isolation	1.85 mm $\pm 5\%$
Color/numbering of wires	bk numbered, gnye longitudinally striped
Stranding combination	4 wires twisted
Shield	no
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Shore hardness (jacket)	90 $\pm$ 5 A

Outer-Ø (jacket)	6.5 mm ±5%
Color (jacket)	black
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2
Nominal voltage	300 V AC
Test voltage	2500 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+80 °C, (+90 °C at max. 10 000 operating hours)
Temperature range (mobile)	-25...+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Travel speed (C-track)	max. 3 m/s
Acceleration (C-track)	max. 10 m/s <sup>2</sup>
Torsion stress	±180°/m
No. of torsion cycles	max. 2 Mio. (25 °C)
Torsion speed	35 cycles/min

#### Commercial data

country of origin	CZ
customs tariff number	85444290
EAN	4048879902106
eClass	27279218
Packaging unit	1