

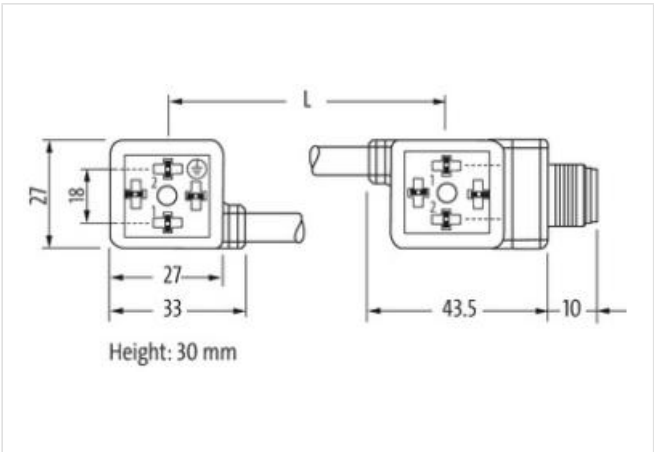
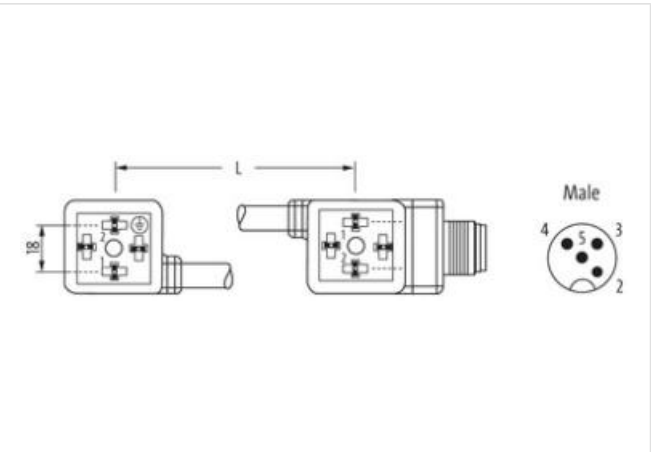
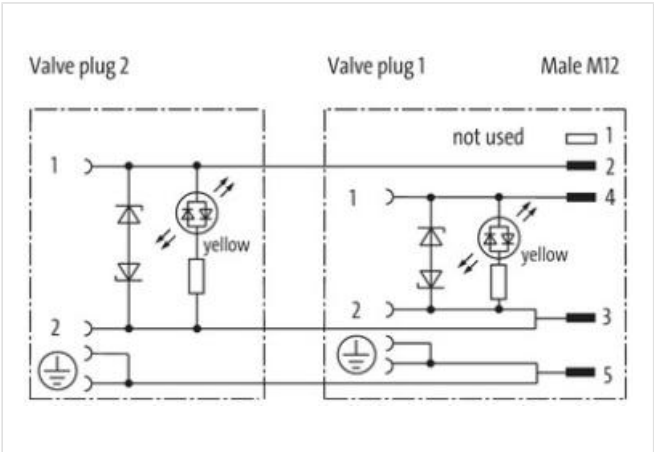
M12 male on back A-cod. / MSUD double valve A-18mm

PUR 3x0.75 bk UL/CSA+drag ch. 0m

Form A (18 mm) – M12, connector at the rear  
24 V AC  $\pm 20\%$  / DC  $\pm 25\%$   
LED and suppression  
Connection cable L = 300 mm  
Bridged PE  
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



Product may differ from Image



Side 1	
Tightening torque	0,4 Nm
Thread	M3

Material PUR

#### Side 2

Tightening torque 0,4 Nm  
Thread M3  
Material PBT

#### Commercial data

ECLASS-6.0 27143423  
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 4048879630146  
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  
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  
Current consumption max. 15 mA

#### Diagnostics

Status indication LED yellow

#### Device protection | Electrical

Degree of protection (EN IEC 60529) IP67  
Pollution Degree 3  
Rated surge voltage 0,8 kV  
Material group (IEC 60664-1) I  
Additional suppressor Diode, Z-Diode

#### Mechanical data | Material data

Coating locking verzinkt  
Color housing black  
Material gasket PUR  
Material housing Plastic  
Locking material Steel

#### 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

The information in this Product-PDF has been compiled with the utmost care.  
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21

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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	
wire arrangement	black 1, black 2, green-yellow
Cable identification	636
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weight	56,1 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
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
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)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	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
UV resistance	DIN EN ISO 4892-2 A
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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m

Torsion speed

35 cycles/min