

**M12 male 0° A-cod. / MSUD double valve C-8mm**

PUR 4x0.75 bk UL/CSA 1m

Form C (8 mm) – M12, male straight

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

Suppressor diode

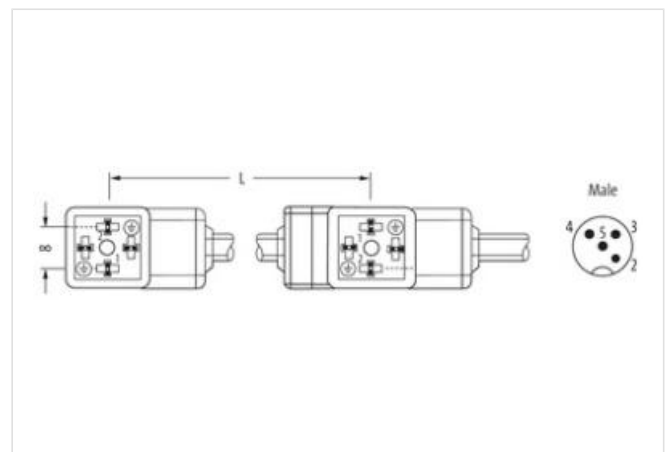
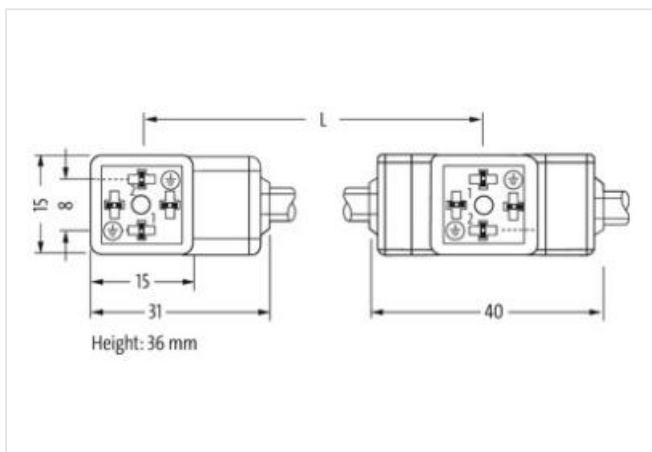
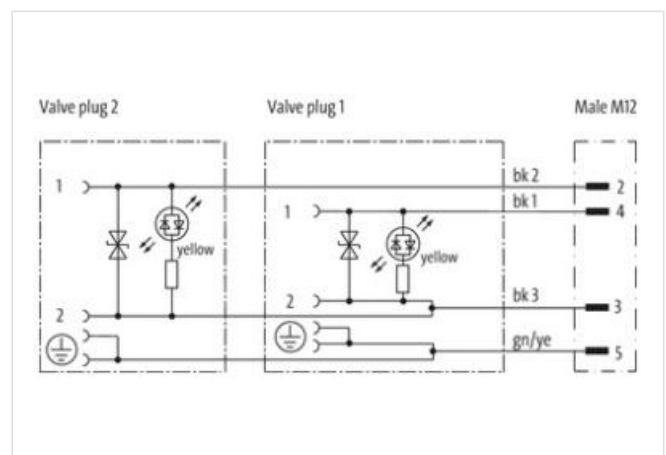
Connection cable L = 200 mm

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



Cable length	1 m
Side 1	
Tightening torque	0,4 Nm
Coating contact	gold plated
Family construction form	M12
Thread	M2.5
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Coating contact	silver-plated
Family construction form	MSUD DVS
Thread	M12 x 1
Material contact	Copper alloy
Material	PBT
No. of poles	4
Side 3	
Family construction form	MSUD DVS
No. of poles	4
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	4048879732918
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Packaging unit	1
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**Electrical data | Supply**

Operating voltage AC	24 V
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Operating voltage AC min.	19,2 V
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Operating voltage AC max.	28,8 V
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Operating voltage DC	24 V
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Operating voltage DC min.	18 V
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Operating voltage DC max.	30 V
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Cut-off peak voltage max.	55 V
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Current operating per contact max.	4 A
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Current consumption max.	4 mA
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**Diagnostics**

Status indication LED	yellow
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**Device protection | Electrical**

Degree of protection (EN IEC 60529)	IP67
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Additional condition protection degree	inserted, screwed
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Pollution Degree	3
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Rated surge voltage	0,8 kV
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Material group (IEC 60664-1)	I
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Additional suppressor	Suppressor diode
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**Mechanical data**

Contour for corrugated hose	without
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**Mechanical data | Material data**

Coating locking	Nickeled
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Color housing	black
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Material gasket	PUR
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Material housing	Plastic
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Locking material	Zinc die-casting
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**Mechanical data | Mounting data**

Mounting method	inserted, screwed
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**Environmental characteristics | Climatic**

Operating temperature min.	-25 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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**Conformity**

Product standard	DIN EN 61076-2-101 (M12)
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**Installation | Cable**

Cable identification	627
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Cable Type	2
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Printing color of wire insulation	white (isolation black)
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Jacket Color	black
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Type of Certificate	cURus
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Amount stranding	1
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Stranding	4 wires twisted
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wire arrangement	black 1, black 2, black 3, green-yellow
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No. of bending cycles (C-track)	2 Mio. @ 25 °C
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Cable weight	74,8 g/m
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Material jacket	PUR
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Shore hardness jacket	85 ± 5 Shore A
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Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
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Outer-diameter (jacket)	6,5 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	PVC
Color (inner jacket)	black
Material wire insulation	PVC
Amount wires	4
Outer diameter insulation	1,8 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	43 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-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 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 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 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	UL 1581 § 1100 FT2   IEC 60332-2-2   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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter