

## Y-Distributor M12 male / MSUD valve plug A-18mm

PUR 3x0.75 bk UL/CSA+drag ch. 0.7m

Y connector

Plastic housings with good resistance against chemicals and oils.

Further cable lengths on request.

Male straight - male 90°

M12, 4-pole

A-coded

MSUD

Form A (18 mm)

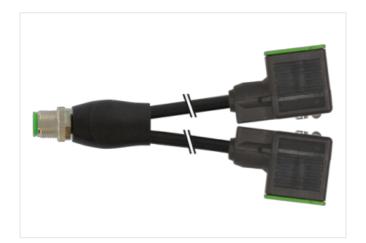
LED (yellow)

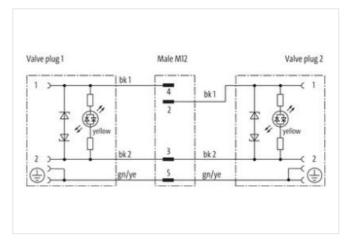
Diode/Z-Diode

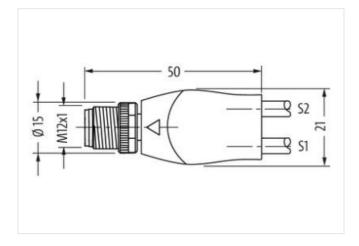
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

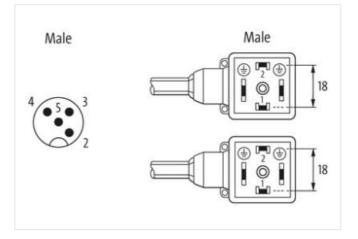
## **Link to Product**

## Illustration

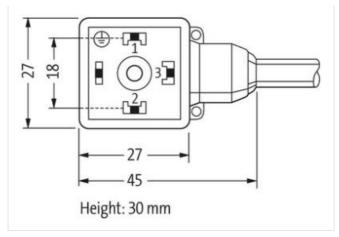








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Product may differ from Image



Side 1   Tightening torque 0,4 Nm   Mounting method inserted, screwed   Coating contact gold plated   Family construction form M12   Thread M3   Material contact Copper alloy   Material PUR   No. of poles 4   Width across flats SW13   Side 2   Tightening torque 0,6 Nm   Mounting method inserted, screwed   Coating contact silver-plated   Family construction form MSUD   Thread M12 x 1   Material PBT   No. of poles 4   Side 3   Mounting method inserted, screwed   Family construction form MSUD	cytening torque counting method coating contact comily construction form cread caterial contact caterial contact contact caterial contact cont
Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M3 Material contact Copper alloy Material PUR No. of poles 4 Width across flats SW13  Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact silver-plated Family construction form MSUD  Thread M12 x 1  Material PBT No. of poles 4  Side 3  Mounting method inserted, screwed Family construction form MSUD	punting method pating contact mily construction form pread aterial contact aterial b. of poles dth across flats ide 2
Coating contact         gold plated           Family construction form         M12           Thread         M3           Material contact         Copper alloy           Material         PUR           No. of poles         4           Width across flats         SW13           Side 2         Tightening torque           Mounting method         inserted, screwed           Coating contact         silver-plated           Family construction form         MSUD           Thread         M12 x 1           Material         PBT           No. of poles         4           Side 3           Mounting method         inserted, screwed           Family construction form         MSUD	pating contact  mily construction form  read  aterial contact  aterial  b. of poles  dth across flats  ide 2
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Thread M3  Material contact Copper alloy  Material PUR  No. of poles 4  Width across flats SW13  Side 2  Tightening torque 0,6 Nm  Mounting method inserted, screwed  Coating contact silver-plated  Family construction form MSUD  Thread M12 x 1  Material PBT  No. of poles 4  Side 3  Mounting method inserted, screwed  Family construction form MSUD  Thread M12 x 1  Material PBT  No. of poles 4  Side 3  Mounting method inserted, screwed  Family construction form MSUD	aterial contact aterial b. of poles dth across flats
Material contact     Copper alloy       Material     PUR       No. of poles     4       Width across flats     SW13       Side 2       Tightening torque     0,6 Nm       Mounting method     inserted, screwed       Coating contact     silver-plated       Family construction form     MSUD       Thread     M12 x 1       Material     PBT       No. of poles     4       Side 3       Mounting method     inserted, screwed       Family construction form     MSUD	aterial contact aterial b. of poles dth across flats ide 2
Material PUR  No. of poles 4  Width across flats SW13  Side 2  Tightening torque 0,6 Nm  Mounting method inserted, screwed  Coating contact silver-plated  Family construction form MSUD  Thread M12 x 1  Material PBT  No. of poles 4  Side 3  Mounting method inserted, screwed  Family construction form MSUD	aterial b. of poles dth across flats ide 2
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Coating contact     silver-plated       Family construction form     MSUD       Thread     M12 x 1       Material     PBT       No. of poles     4       Side 3       Mounting method     inserted, screwed       Family construction form     MSUD	
Family construction form         MSUD           Thread         M12 x 1           Material         PBT           No. of poles         4           Side 3           Mounting method         inserted, screwed           Family construction form         MSUD	ounting method
Thread         M12 x 1           Material         PBT           No. of poles         4           Side 3           Mounting method         inserted, screwed           Family construction form         MSUD	ating contact
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Mounting method inserted, screwed  Family construction form MSUD	of poles
Family construction form MSUD	ide 3
	ounting method
No. of poles 4	of poles
Commercial data	ommercial data
ECLASS-6.0 27143423	CLASS-6.0
ECLASS-6.1 27279218	CLASS-6.1
ECLASS-7.0 27279218	LASS-7.0
ECLASS-8.0 27279218	CLASS-8.0
ECLASS-9.0 27060312	
ECLASS-10.1 27060312	CLASS-10.1
ECLASS-11.1 27060312	)LASS-11.1
ECLASS-12.0 27060312	CLASS-12.0

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ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879616423
Packaging unit	1
Electrical data   Supply	
	24 V
Operating voltage AC	19.2 V
Operating voltage AC min.  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
·	TOTILA
Diagnostics	
Status indication LED	yellow
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Additional suppressor	Diode, Z-Diode
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Material gasket	PUR
Locking material	Zinc die-casting
Mechanical data   Mounting data	Zito die odsting
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.
Conformity	
Conformity  Product standard	DIN FN 61076-2-101 (M12)
Product standard	DIN EN 61076-2-101 (M12)
Product standard  Installation   Cable	
Product standard  Installation   Cable  wire arrangement	black 1, black 2, green-yellow
Product standard  Installation   Cable  wire arrangement  Cable identification	black 1, black 2, green-yellow 636
Product standard  Installation   Cable  wire arrangement  Cable identification  Cable Type	black 1, black 2, green-yellow 636 3
Product standard  Installation   Cable  wire arrangement  Cable identification  Cable Type  Printing color of wire insulation	black 1, black 2, green-yellow 636 3 white (isolation black)
Product standard  Installation   Cable  wire arrangement  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color	black 1, black 2, green-yellow 636 3 white (isolation black) black
Product standard  Installation   Cable  wire arrangement  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate	black 1, black 2, green-yellow 636 3 white (isolation black) black cURus
Product standard  Installation   Cable  wire arrangement  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate  Amount stranding	black 1, black 2, green-yellow 636 3 white (isolation black) black cURus
Product standard  Installation   Cable  wire arrangement  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate	black 1, black 2, green-yellow 636 3 white (isolation black) black cURus

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Cable weigth	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 mm <sup>2</sup>
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