

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

PUR 3x0.75 bk UL/CSA+drag ch. 1m

Art.No.: 7000-42401-6360100

Weight: 0.193

Country of origin: CZ

Model designation: MSAYHL0-KL3_636_1.0-KL3_636_1.0

Y connector

Male straight – male 90°

M12, 4-pole

A-coded

MSUD

Form A (18 mm)

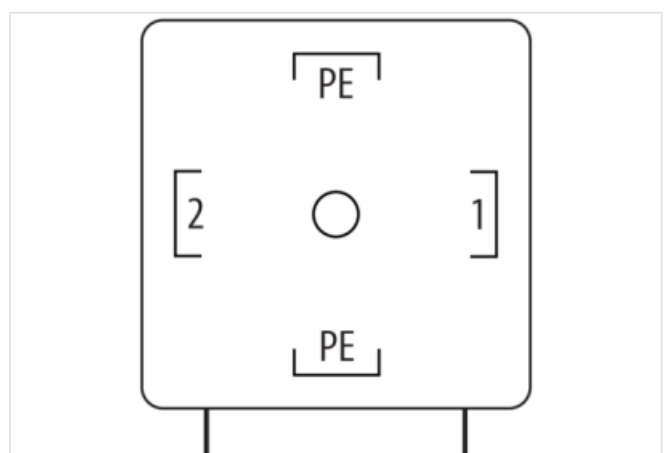
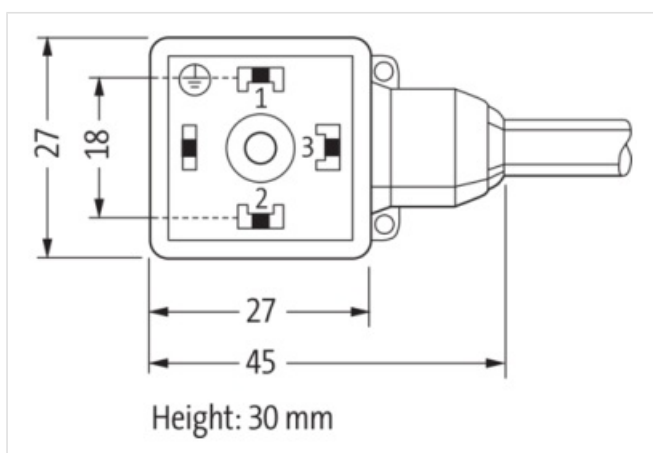
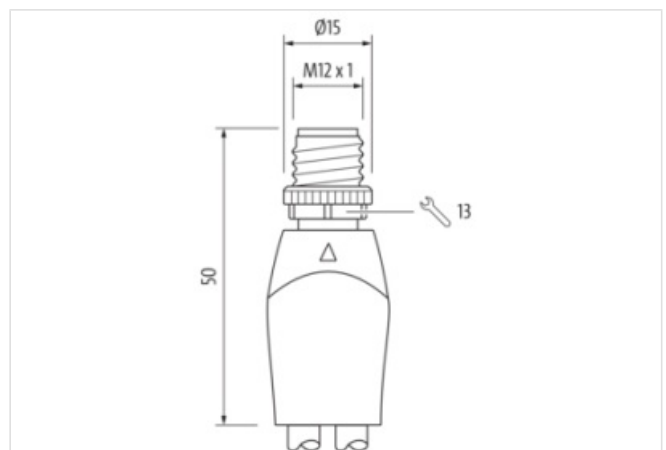
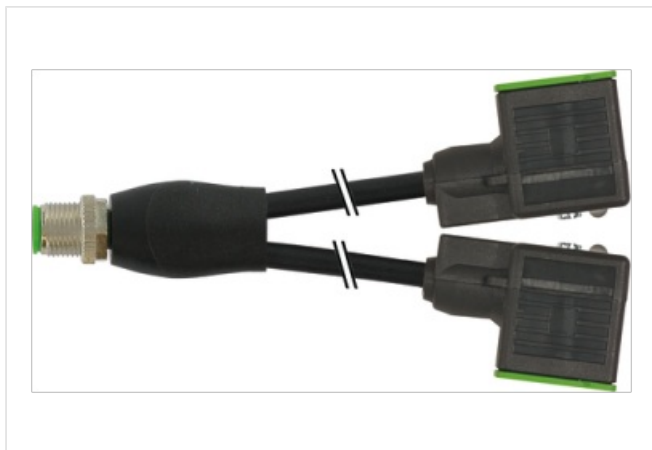
LED (yellow)

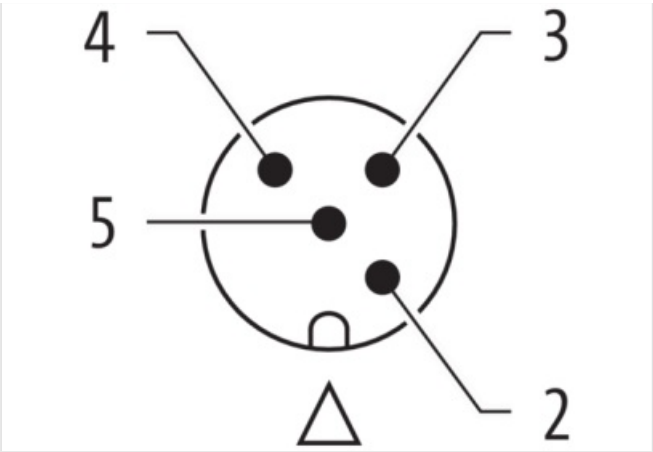
Diode/Z-Diode

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

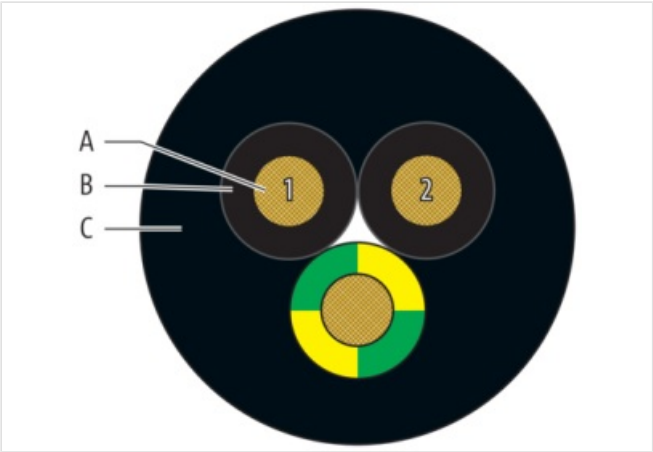
Plastic housings with good resistance against chemicals and oils.

Further cable lengths on request.

[Link to Product](#)**Illustration**



Product may differ from Image



Header	
Cable length	1,00 m
Side 1	
Family construction form	MSUD CI
No. of poles	4
Coding	A
Gender	male
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.4 Nm
Width across flats	SW13
Cable outlet	straight
Material	PBT
Material contact	Copper alloy
Coating contact	silver-plated
Side 2	
Family construction form	MSUD CI
No. of poles	4

Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.4 Nm
Material	PBT
Coating contact	silver-plated

Side 3

Family construction form	M12
No. of poles	4
Coding	A
Gender	male
Mounting method	inserted, screwed
Thread	M3x31
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
Material	PUR
Coating contact	gold plated

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-42401-6360100
customs tariff number	85444290
EAN	4048879143059
Packaging unit	1

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
Current operating per contact max.	4 A
Cut-off peak voltage max.	55 V
Current consumption max.	15 mA

Diagnostics

Status indication LED	yellow
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Additional suppressor	Diode, Z-Diode
Rated surge voltage	0.8 kV
Material group (IEC 60664-1)	I

Mechanical data

Contour for corrugated hose	without
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Mechanical data | Material data

Locking material	Zinc die-casting
Coating locking	Nickel
Material gasket	PUR

Mechanical data | Mounting data

Mounting method	inserted, screwed
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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 bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

Conformity

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

Cable identification	636
Cable Type	3
Amount stranding	1
Stranding	3 wires stranded
Cable weight	51 g/m
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1.85 mm
Outer diameter tolerance core insulation	± 0.1 mm
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-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 ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	5.9 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Conductor resistance (wire)	26 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2.5 kV @ 60 s
Withstand voltage (wire - jacket)	2.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Min. operating temperature (static)	-40 °C
Max. operating temperature (static)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × 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
Acceleration (C-track)	10 m/s² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min