

M12 male 0° A-cod. / MSUD valve plug CI-9.4mm

PVC 3x0.75 bk 1m

Art.No.: 7000-41041-6160100

Weight: 0.086 kg

Country of origin: CZ

Model designation: MSRL3-A-W616_1.0

MSUD

Form CI (9.4 mm) – M12, male straight

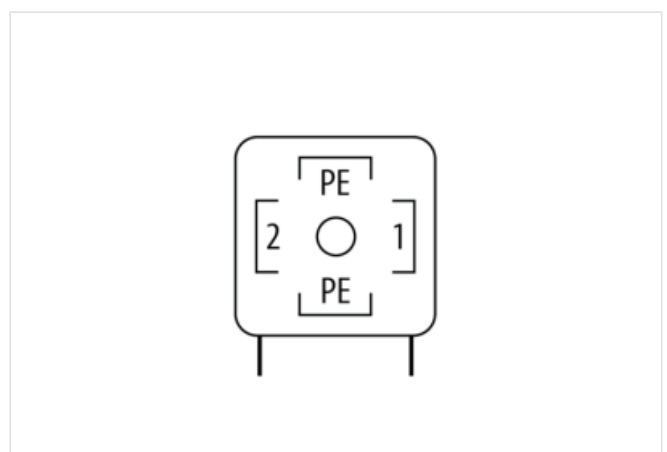
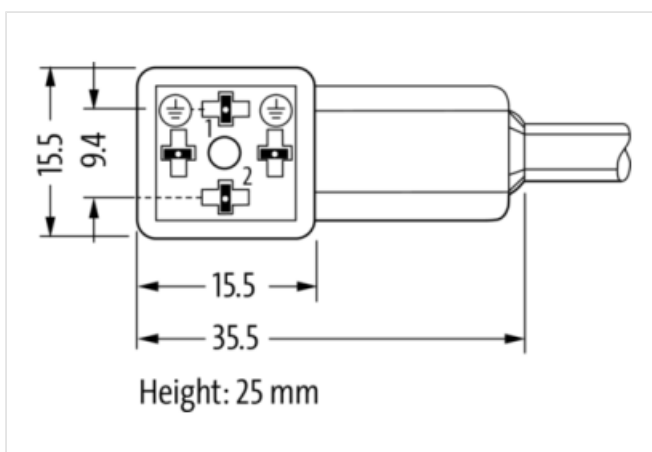
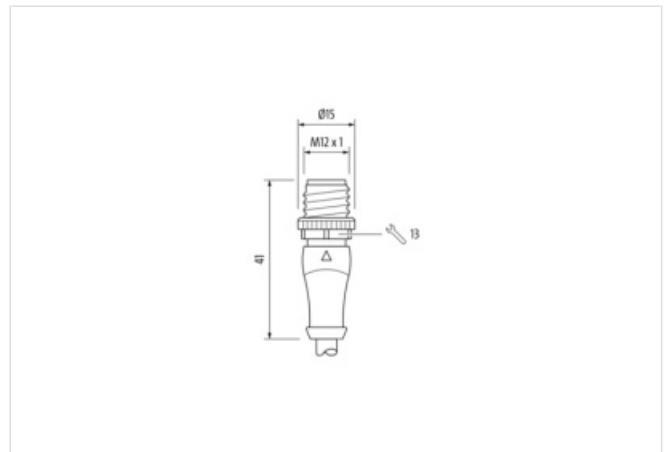
24 V AC $\pm 20\%$ / DC $\pm 25\%$

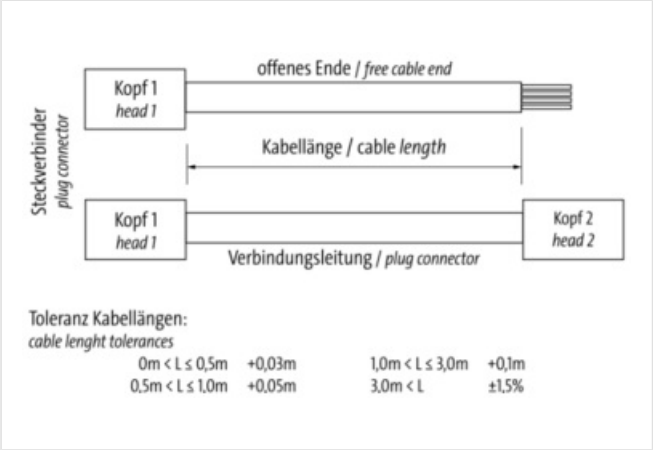
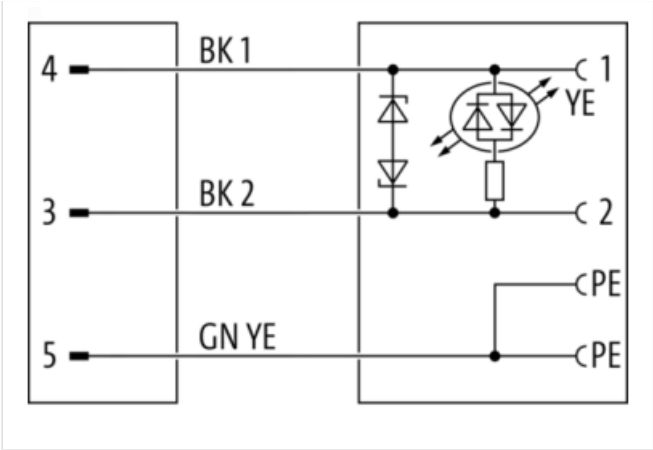
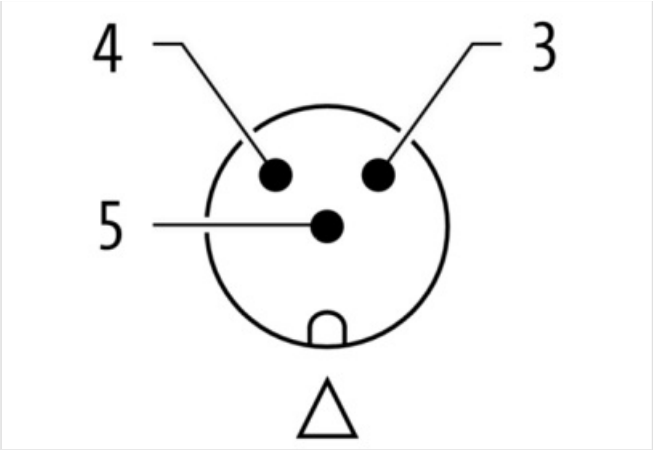
LED and suppression

Further cable lengths on request.

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



Cable length 1,00 m

Side 1	
Family construction form	M12
No. of poles	4
Coding	A
Mounting method	pluggable, screwed
Threaded hole	M12 x 1
Tightening torque	0,4 Nm
Width across flats	SW13
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	Valve connector form CI
No. of poles	3
Mounting method	inserted, screwed

Threaded hole	M3x31
Tightening torque	0,6 Nm
suitable for corrugated tube (internal Ø)	10 mm
Material	PBT
Degree of protection (EN IEC 60529)	IP67

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-41041-6160100
GTIN	4048879146784
EU-Customs tariff number	85444290
US-Customs tariff number	8544429090
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060312
ECLASS-9.1	27060312
ECLASS-10.0.1	27060312
ECLASS-10.1	27060312
ECLASS-11.0	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ECLASS-13.0	27060312
ECLASS-14.0	27060312
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
ETIM-9.0	EC001855
ETIM-10.0	EC001855
customs tariff number	85444290
EAN	4048879146784
Packaging unit	1

Electrical data

Drop-out delay time max.	20 ms
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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

Diagnostics

Status indication LED	yellow
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Device protection | Electrical

Additional condition protection degree	inserted, screwed
Pollution Degree	3
Additional suppressor	LED, Z-diode
Rated surge voltage	0,8 kV

Material group (IEC 60664-1)

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Mechanical data | Material data

housing	Plastic
Color housing	black
Material jacket	PVC

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), EN 175301-803 (valve plug)
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Installation | Cable

Cable identification	616
Cable Type	1
Cable weight	56 g/m
Stranding	1 × 3 wires stranded
Wire arrangement	BK 1, BK 2, GNYE
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1.8 mm ± 0.1 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	24 × 0.2 mm
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Material jacket	PVC
Outer-diameter (jacket)	5.9 mm ± 5 %
Jacket Color	black / RAL 9005
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material property (jacket)	good machinability
Conductor resistance (wire)	26 Ω/km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	500 V
Withstand voltage (wire - wire)	3 kV @ 60 s
Withstand voltage (wire - jacket)	3 kV @ 60 s
Current load capacity max. (wire)	12 A
Current load capacity (standard)	to DIN VDE 0298-4
Operating temperature (static)	-30 °C ... 70 °C
Operating temperature (dynamic)	-5 °C ... 70 °C
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Notes	application-related testing
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter