

M12 male 90° A-cod. / MSUD valve plug BI-11mm

PVC 3x0.75 bk 0.3m

Art.No.: 7000-40981-6160030

Weight: 0.061 Country of origin: CZ

Model designation: MSLL3-C-W616 0.3

MSUD

Form BI (11 mm) – M12, male 90° 24 V AC $\pm 20\%$ / DC $\pm 25\%$ LED and suppression

Further cable lengths on request.

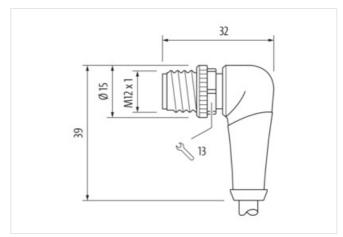
Plastic housings with good resistance against chemicals and oils.

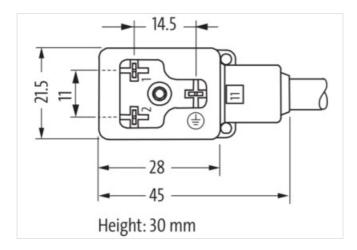
The resistance to aggressive media should be individually tested for your application. Further details on request.

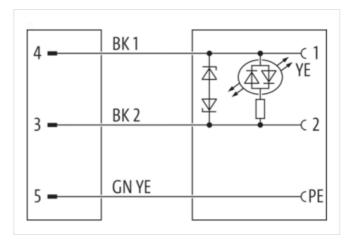
Link to Product

Illustration



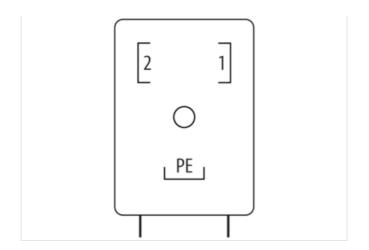


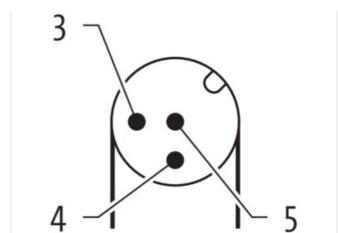


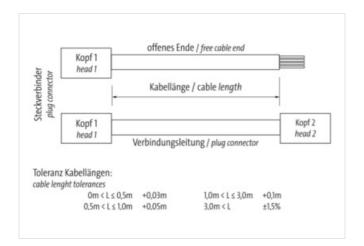


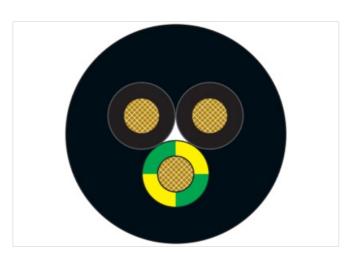


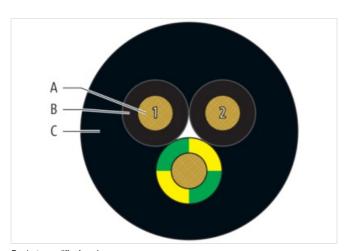
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Product may differ from Image







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Material short text MSLL3-C-W616_0.3

Cable length 0,30 m

Side 1

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: 2025-10-17



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Family construction form	M12
No. of poles	3
Coding	3 A
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
suitable for corrugated tube (internal Ø)	10 mm
Degree of protection (EN IEC 60529)	IP67
Side 2	11 07
	MCUD DI
Family construction form	MSUD BI
No. of poles	3
Mounting method	inserted, screwed
Thread	M3x31
Tightening torque	0.4 Nm
Degree of protection (EN IEC 60529)	IP67
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-40981-6160030
GTIN	4048879148252
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
customs tariff number	85444290
EAN	4048879148252
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
Current operating per contact max.	4 A
Cut-off peak voltage max.	55 V
- 1	



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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 Installation Cable Cable dentification 616 Cable identification 616 Amount stranding 1 Stranding 3 wires stranded Wire arrangement black 1, black 2, green-yellow Cable wight 61 6 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 43 5 Shore D Material properties wire insulation 43 5 Shore D Material properties wire insulation CFC-free, candinum-free, silicone-free, lead-free Printing color of wire insulation Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) Order manuel strands (wire) 24 Diameter of single wires 0.2 mm Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (glocket) 5.9 mm Tolerance outer diameter (sheath) £ 5% Shore hardness jacket 80 5 Shore A	Current consumption max.	12 mA
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Outer diameter insulation 1.8 mm Outer diameter tolerance core insulation ± 0.1 mm Shore hardness wire insulation 43 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 0.1 mm Shore hardness wire insulation 43 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Amount wires	3
Shore hardness wire insulation 43 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Outer diameter insulation	1.8 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Outer diameter tolerance core insulation	± 0.1 mm
Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Shore hardness wire insulation	43 5 Shore D
Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Material properties wire insulation	good machinability
Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free
Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Printing color of wire insulation	white (isolation black)
Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Amount strands (wire)	24
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Diameter of single wires	0.2 mm
Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Conductor crosssection (wire)	0.75 mm ²
Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Material conductor wire	Stranded copper wire, bare
Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 80 5 Shore A	Conductor type (wire)	Strand class 5
Material jacket PVC Shore hardness jacket 80 5 Shore A	Outer-diameter (jacket)	5.9 mm
Shore hardness jacket 80 5 Shore A	Tolerance outer diameter (sheath)	±5%
	Material jacket	PVC
Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Shore hardness jacket	80 5 Shore A
	Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-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 (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter