

## M12 male 0° A-cod. / MSUD valve plug A-18mm

PUR 3x0.75 bk UL/CSA+drag ch. 10m

Art.No.: 7000-40881-6361000

Weight: 0.557 Country of origin: CZ

Model designation: MSKL3-A-W636\_10.0

Form A (18 mm) - M12, male straight

24 V AC  $\pm 20\%$  / DC  $\pm 25\%$  LED and suppression

Bridged PE A-coded

Further cable lengths on request.

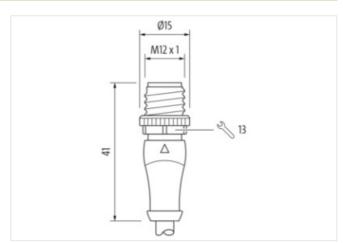
Plastic housings with good resistance against chemicals and oils.

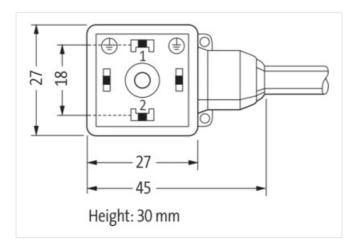
The resistance to aggressive media should be individually tested for your application. Further details on request.

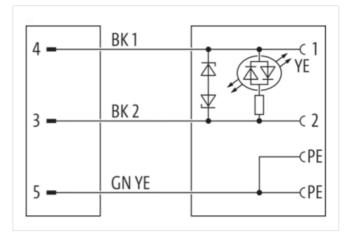
## **Link to Product**

## Illustration



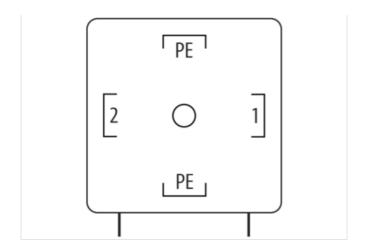


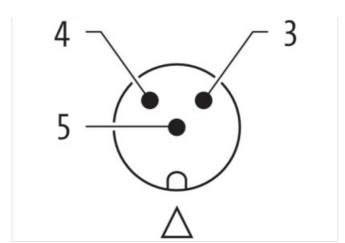


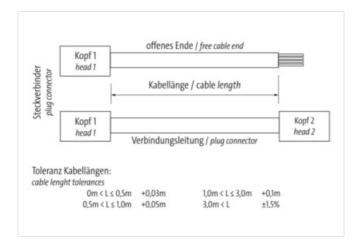


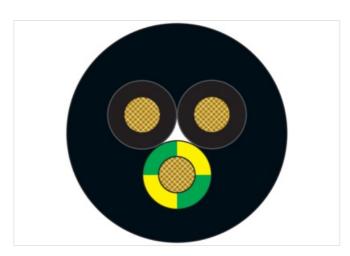


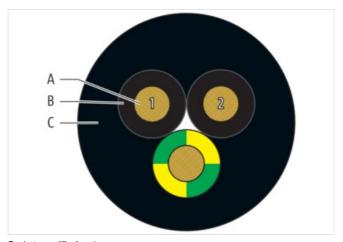
stay connected











Product may differ from Image











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Material short text MSKL3-A-W636\_10.0

Cable length 10,00 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: 2025-11-03



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Family construction form	M12
No. of poles	3
Coding	A
Mounting method	inserted, screwed M12 x 1
Thread	
Tightening torque	0.6 Nm
Width across flats	SW13
suitable for corrugated tube (internal Ø)	10 mm
Material (FN IFO 20502)	PUR
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	MSUD A
No. of poles	4
Thread	M3x31
Tightening torque	0.4 Nm
Material	PBT
Degree of protection (EN IEC 60529)	IP67
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-40881-6361000
GTIN	4048879151917
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	4048879151917
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

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Cut-off peak voltage max.	55 V
Current consumption max.	15 mA
Diagnostics	
Status indication LED	yellow
Device protection   Electrical	, <del></del>
	ID07
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed 3
Pollution Degree	<u> </u>
Additional suppressor  Rated surge voltage	Z-Diode  0.8 kV
Material group (IEC 60664-1)	I.
,	'
Mechanical data   Material data	
Material housing	Plastic
Color housing	black
Locking material	Zinc die-casting
Coating locking	Nickeled
Material gasket	PUR
Mechanical data   Mounting data	
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	
important installation notes	
Note on bending radius	<b>Attention:</b> 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
Installation   Cable	
Cable identification	636
Cable Type	3
Amount stranding	1
Stranding	3 wires stranded
Wire arrangement	black 1, black 2, green-yellow
Cable weigth	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
Shore hardness wire insulation Ingredient freeness wire insulation	70 5 Shore D CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Shore hardness wire insulation	70 5 Shore D
Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire)	70 5 Shore D  CFC-free, cadmium-free, silicone-free, halogen-free, lead-free white (isolation black)
Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire) Diameter of single wires	70 5 Shore D  CFC-free, cadmium-free, silicone-free, halogen-free, lead-free white (isolation black)  42
Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire)	70 5 Shore D  CFC-free, cadmium-free, silicone-free, halogen-free, lead-free white (isolation black)  42  0.15 mm  0.75 mm <sup>2</sup>
Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	70 5 Shore D  CFC-free, cadmium-free, silicone-free, halogen-free, lead-free  white (isolation black)  42  0.15 mm
Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire)	70 5 Shore D  CFC-free, cadmium-free, silicone-free, halogen-free, lead-free white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare
Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Outer-diameter (jacket)	70 5 Shore D  CFC-free, cadmium-free, silicone-free, halogen-free lead-free white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare strand class 6  5.9 mm
Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire)	70 5 Shore D  CFC-free, cadmium-free, silicone-free, halogen-free lead-free  white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare  strand class 6



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 (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
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