

## M12 male on top A-cod. / MSUD double valve A-18mm

PUR 3x0.75 bk UL/CSA+drag ch. 0m

Art.No.: 7000-41501-6360000

Weight: 0.036 Country of origin: CZ

Model designation: MSKL3-636\_110-KL3-A Form A (18 mm) – M12, connector top entry

24 V AC/DC, M12 (4-pole) LED and suppression

Connection cable L = 100 mm

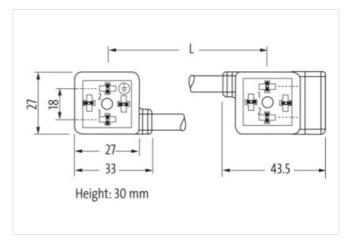
Plastic housings with good resistance against chemicals and oils.

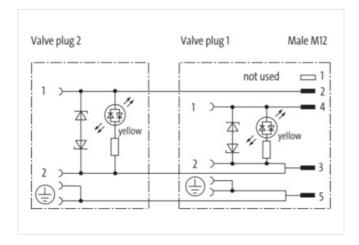
The resistance to aggressive media should be individually tested for your application. Further details on request.

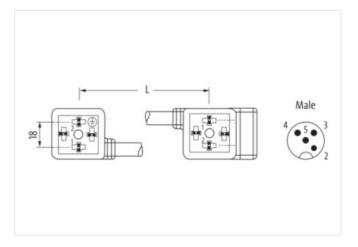
## **Link to Product**

## Illustration



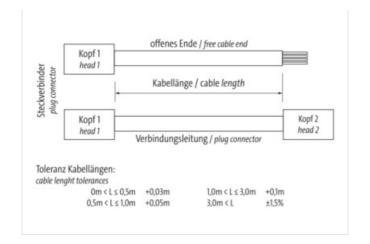


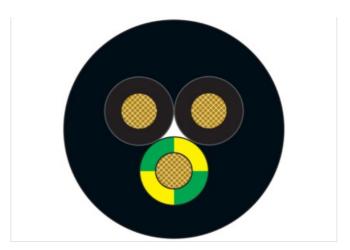


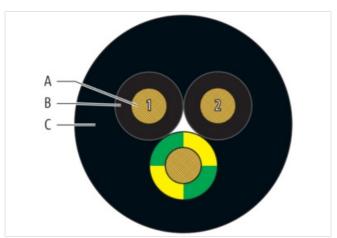




stay connected







Product may differ from Image







Side 1	
Threaded hole	M3x31
Tightening torque	0.4 Nm
Side 2	
Threaded hole	M3x31
Tightening torque	0.4 Nm
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-41501-6360000
customs tariff number	85444290
EAN	4048879144506
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



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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
Device protection   Electrical	yene
	ID07
Degree of protection (EN IEC 60529)  Additional condition protection degree	IP67
Pollution Degree	inserted, screwed 3
	0.8 kV
Rated surge voltage  Material group (IEC 60664-1)	U.8 KV
	'
Mechanical data   Material data	
Material housing	Plastic
Color housing	Black
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	
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.
Installation   Cable	
Cable identification	636
Cable Type	3
Amount stranding	1
Stranding	3 wires stranded
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
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
	white (isolation black)
Printing color of wire insulation  Amount strands (wire)	white (isolation black) 42
Amount strands (wire) Diameter of single wires	white (isolation black) 42 0.15 mm
Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	white (isolation black)  42  0.15 mm  0.75 mm <sup>2</sup>
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare
Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)	white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare strand class 6
Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Outer-diameter (jacket)	white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare strand class 6  5.9 mm
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Outer-diameter (jacket) Tolerance outer diameter (sheath)	white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare strand class 6  5.9 mm  ± 5 %
Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material jacket	white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare strand class 6  5.9 mm ± 5 %  PUR
Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material jacket  Shore hardness jacket	white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare strand class 6  5.9 mm  ± 5 %  PUR  90 ± 5 Shore A
Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare strand class 6  5.9 mm ± 5 %  PUR  90 ± 5 Shore A  CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material jacket Shore hardness jacket Freedom from ingredients (jacket) Material property (jacket)	white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare strand class 6  5.9 mm ± 5 %  PUR  90 ± 5 Shore A  CFC-free, cadmium-free, silicone-free, halogen-free, lead-free matte, good machinability, abrasion-resistant, low adhesion
Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	white (isolation black)  42  0.15 mm  0.75 mm²  Stranded copper wire, bare strand class 6  5.9 mm ± 5 %  PUR  90 ± 5 Shore A  CFC-free, cadmium-free, silicone-free, halogen-free, lead-free

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: 2025-11-26



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