

M12 female 90° A-cod. with cable LED

PVC 5x0.34 bk UL/CSA 1.5m

Art.No.: 7000-12441-6150150

Weight: 0.094 Country of origin: DE

Model designation: MSDL2-U615_1.5

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details:

Female 90°

M12, 5-pole

3× LED (PNP)

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

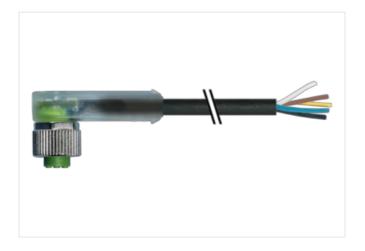
Plastic housings with good resistance against chemicals and oils.

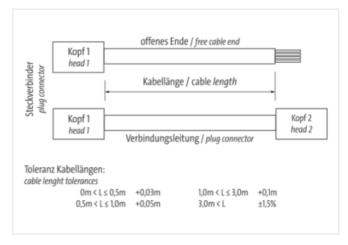
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

Link to Product

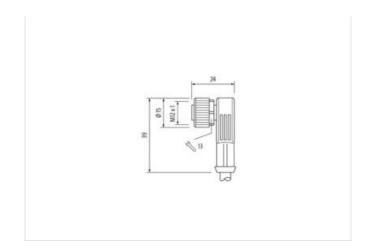
Illustration

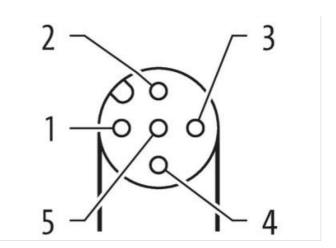


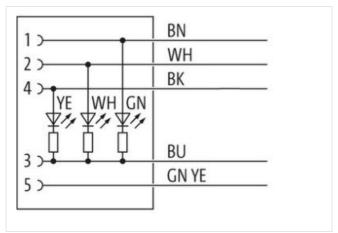




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Product may differ from Image











Cable length	1,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	angled
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end

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: 2025-05-12



Commercial data	
	07070040
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
GTIN	4048879202084
GTIN	4048879202084
Packaging unit	1
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	···
Diagnostics	
Status indication LED	green, white, yellow
Status indication LED Installation Connection	green, white, yellow
	green, white, yellow 20 mm
Installation Connection	
Installation Connection Stripping length (jacket)	20 mm
Installation Connection Stripping length (jacket) Mounting set	20 mm M12 x 1
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical	20 mm M12 x 1 female
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree	20 mm M12 x 1 female inserted, screwed
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree	20 mm M12 x 1 female inserted, screwed 3
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage	20 mm M12 x 1 female inserted, screwed
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)	20 mm M12 x 1 female inserted, screwed 3
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data	20 mm M12 x 1 female inserted, screwed 3 0,8 kV I
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking	20 mm M12 x 1 female inserted, screwed 3 0,8 kV I
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting	20 mm M12 x 1 female inserted, screwed 3 0,8 kV I Nickeled nickel plated
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material	20 mm M12 x 1 female inserted, screwed 3 0,8 kV I Nickeled nickel plated Zinc die-casting
Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting	20 mm M12 x 1 female inserted, screwed 3 0,8 kV I Nickeled nickel plated
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Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	20 mm M12 x 1 female inserted, screwed 3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
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Installation Connection Stripping length (jacket) Mounting set Gender Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	20 mm M12 x 1 female inserted, screwed 3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -30 °C 85 °C



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DIN EN 61076 2 101 (M12)
DIN EN 61076-2-101 (M12)
brown, black, blue, white, green-yellow
615
1
black
cURus
1
5 wires around Core filler twisted
yes
brown, black, blue, white, green-yellow
48,4 g/m
PVC
85 ± 5 Shore A
lead-free, cadmium-free, CFC-free, silicone-free
5,2 mm
±5%
PVC
5
1,25 mm
±5%
45 ± 5 Shore D
good machinability
lead-free, cadmium-free, CFC-free, silicone-free
19
0,15 mm
0,15 mm
0,15 mm 0,34 mm ²
0,15 mm 0,34 mm ² Stranded copper wire, bare
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A
0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s
0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s -30 °C 80 °C
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C 80 °C
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C DIN EN ISO 4892-2 A
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C -5 °C 80 °C DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C -5 °C 80 °C DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing
0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C -5 °C 80 °C DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing Good, application-related testing