

**M8 male 0° / M12 female 90° A-cod.**

PVC 3x0.25 bk UL/CSA 3m

Art.No.: 7000-88261-6100300

Weight: 0.1

Country of origin: US

Model designation: MSDL0-H-R610\_3.0

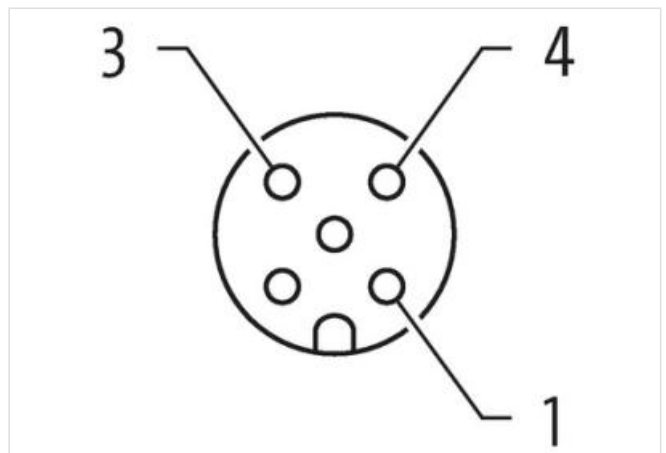
**Advantages of our connectors:**

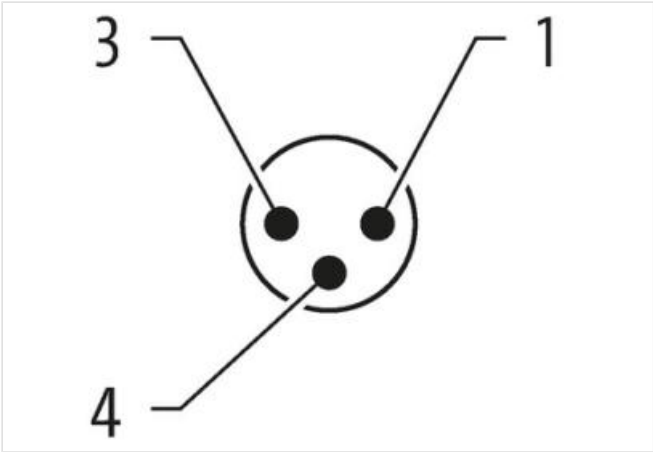
Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

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:****Male straight – female 90°****M8 – M12, 3-pole****M12, A-coded****Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request****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	3 m
Side 1	
Tightening torque	0,4 Nm

Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
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
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Commercial data	
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
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879122726
EAN	4048879122726
Packaging unit	1
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Material housing	PUR
Coating locking	Nickeled
Material gasket	FKM

Locking material                      Zinc die-casting

#### Mechanical data | Mounting data

Mounting method                      inserted, screwed, Shaking protection

#### Environmental characteristics | Climatic

Operating temperature min.                      -30 °C

Operating temperature max.                      85 °C

Additional condition temperature range                      depending on cable quality

#### Important installation notes

Note on strain relief                      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

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.

#### Conformity

Product standard                      DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)

#### Installation | Cable

wire arrangement                      brown, black, blue

Cable identification                      610

Cable Type                      1

Jacket Color                      black

Type of Certificate                      cURus

Amount stranding                      1

Stranding                      3 wires twisted

wire arrangement                      brown, black, blue

Cable weight                      29,37 g/m

Material jacket                      PVC

Shore hardness jacket                      85 ± 5 Shore A

Freedom from ingredients (jacket)                      lead-free, cadmium-free, CFC-free, silicone-free

Outer-diameter (jacket)                      4,5 mm

Tolerance outer diameter (sheath)                      ± 5 %

Material wire insulation                      PVC

Amount wires                      3

Outer diameter insulation                      1,25 mm

Outer diameter tolerance core insulation                      ± 5 %

Shore hardness wire insulation                      45 ± 5 Shore D

Material properties wire insulation                      good machinability

Ingredient freeness wire insulation                      lead-free, cadmium-free, CFC-free, silicone-free

Amount strands (wire)                      14

Diameter of single wires                      0,15 mm

Conductor crosssection (wire)                      0,25 mm²

Material conductor wire                      Stranded copper wire, bare

Conductor type (wire)                      Strand class 5

Nominal voltage AC max.                      300 V

Current load capacity (standard)                      to DIN VDE 0298-4

Current load capacity min. wire                      4,5 A

Electrical resistance line constant wire                      79 Ω/km @ 20 °C

AC withstand voltage (wire - wire)                      2 kV @ 60 s

Power frequency withstand voltage (wire - jacket)                      2 kV @ 60 s

Min. operating temperature (static)                      -30 °C

Max. operating temperature (fixed)                      80 °C

Operating temperature min. (dynamic)                      -5 °C

Operating temperature max. (dynamic)                      80 °C

UV resistance                      DIN EN ISO 4892-2 A

Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter