

MQ12 male 0° A-cod. with cable

PVC 3x0.34 bk UL/CSA 10m

Art.No.: 7050-12001-6131000

Weight: 0.358

Country of origin: DE

Model designation: MSAL0-R613_10.0-S50

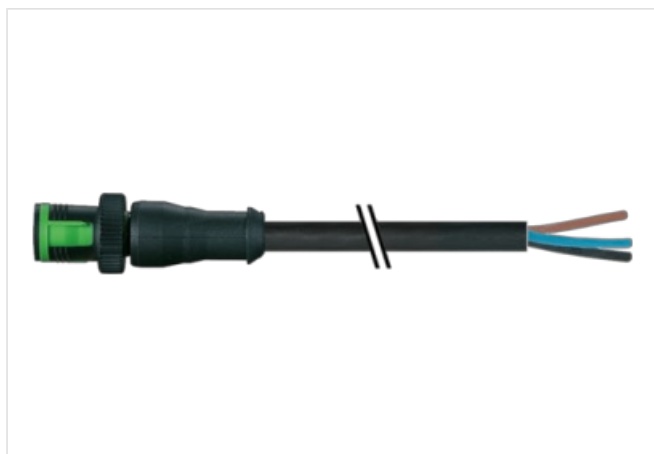
Advantages of our connectors:

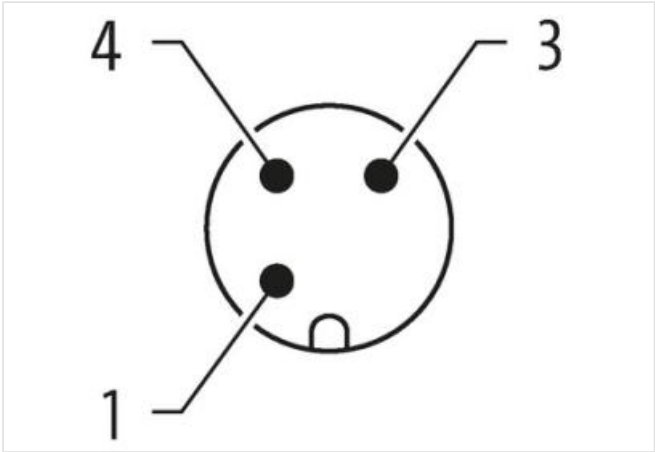
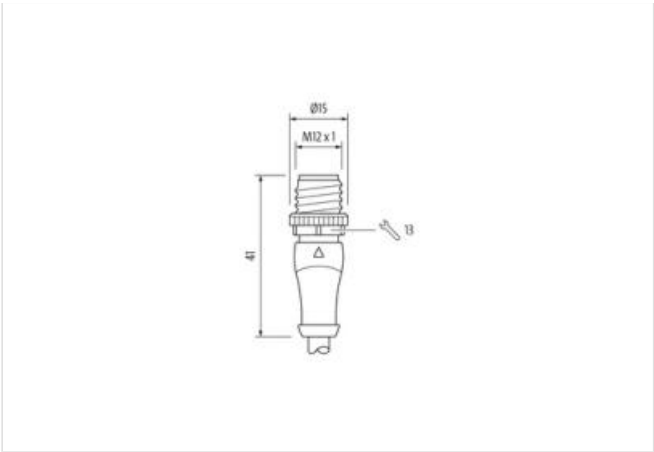
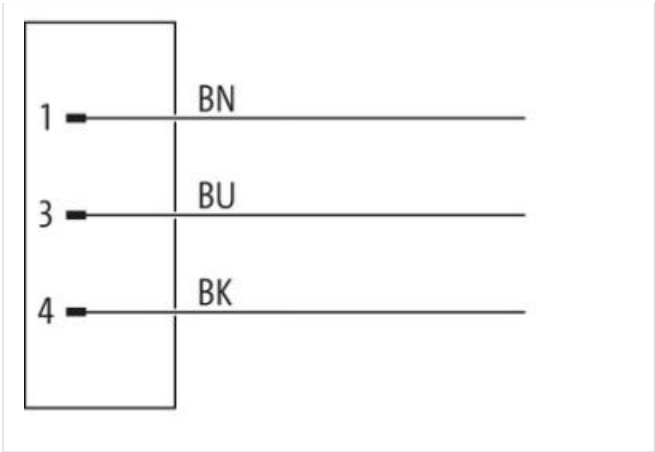
Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

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
MQ12, 3-pole
with cable sleeves
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 length10 m

Side 1

Family construction formMQ12

Degree of protection (EN IEC 60529)IP67

Commercial data

ECLASS-6.027279218

ECLASS-7.027279218

ECLASS-8.027279218

ECLASS-9.027060311

ECLASS-10.127060311

ECLASS-11.127060311

ECLASS-12.027060311

ETIM-5.0EC001855

customs tariff number85444290

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GTIN4048879107518

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Packaging unit1

Packaging unit1

Electrical data | Supply

Operating voltage AC max.250 V

Operating voltage DC max.250 V

Current operating per contact max. 4 A

Device protection | Electrical

Additional condition protection degree inserted, screwed

Mechanical data | Mounting data

Mounting method inserted, screwed

Looking techniques bayonet-locking

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 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.

Installation | Cable

wire arrangement brown, black, blue

Cable identification 613

Cable Type 1

Jacket Color black

Type of Certificate cURus

Amount stranding 1

Stranding 3 wires twisted

wire arrangement brown, black, blue

Cable weight 34,1 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) 4,6 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) 19

Diameter of single wires 0,15 mm

Conductor crosssection (wire) 0,34 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 6 A

Electrical resistance line constant wire 57 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	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
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

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