

M8 female 0° A-cod. snap-in with cable

PUR 4x0.25 gy UL/CSA+drag ch. 1.5m

Art.No.: 7000-08221-2310150

Weight: 0.047

Country of origin: DE

Model designation: MSUL0-T231_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:

Male straight

M8 (Snap In), 4-pole

with cable sleeves

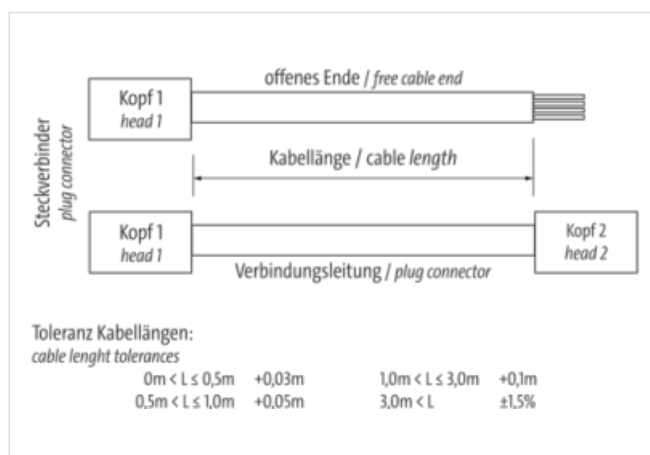
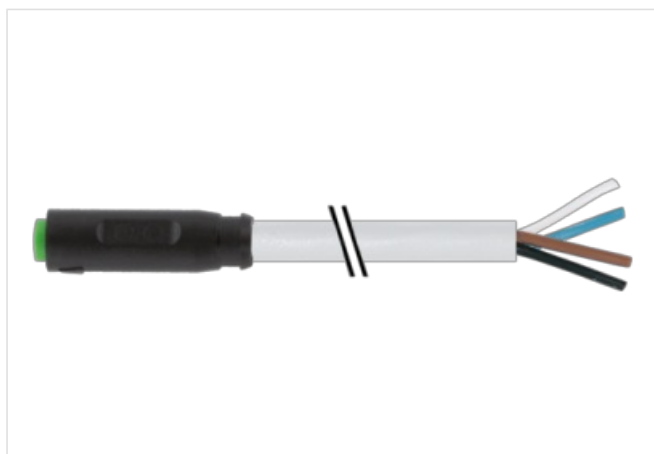
Plastic housings with good resistance against chemicals and oils.

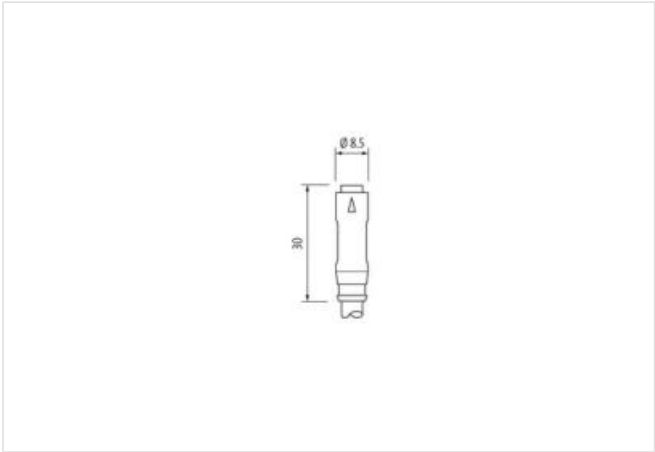
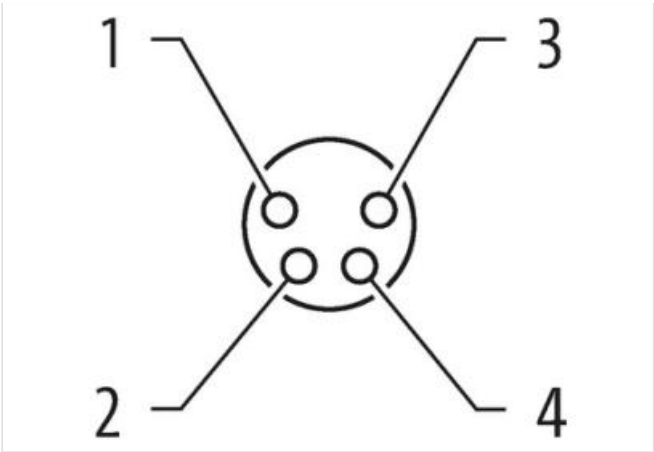
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

Link to Product

Illustration





Product may differ from Image



Cable length 1,5 m

Side 1	
Mounting method	inserted
Family construction form	M8
suitable for corrugated tube (internal Ø)	6,5 mm
Gender	female
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	4
Degree of protection (EN IEC 60529)	IP65

Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end

Commercial data	
ECLASS-6.0	27061801
customs tariff number	85444290
EAN	4065909083949

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

Installation | Connection

Stripping length (jacket) 20 mm

Device protection | Electrical

Additional condition protection degree inserted, locked
 Pollution Degree 3
 Rated surge voltage 1,5 kV
 Material group (IEC 60664-1) I

Mechanical data | Material data

Material screw connection PUR

Mechanical data | Mounting data

Looking techniques Snap In

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.

Conformity

Product standard DIN EN 61076-2-104 (M8)

Installation | Cable

wire arrangement brown, black, blue, white
 Cable identification 231
 Cable Type 3
 Jacket Color gray
 Type of Certificate cURus
 Amount stranding 1
 Stranding 4 wires twisted
 wire arrangement brown, black, blue, white
 Cable weight 33 g/m
 Material jacket PUR
 Shore hardness jacket 90 ± 5 Shore A
 Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
 Outer-diameter (jacket) 4,5 mm
 Tolerance outer diameter (sheath) ± 5 %
 Material wire insulation PP
 Amount wires 4
 Outer diameter insulation 1,25 mm
 Outer diameter tolerance core insulation ± 5 %
 Shore hardness wire insulation 70 ± 5 Shore D
 Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
 Amount strands (wire) 32

Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3,6 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
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
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 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
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
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min