

M8 male 0° / M12 female 0° A-cod. LED

PUR 3x0.25 bk UL/CSA+robot+drag ch. 4m

Male straight – female straight

M8 – M12, 3-pole

2× LED (PNP), (NPN) on request

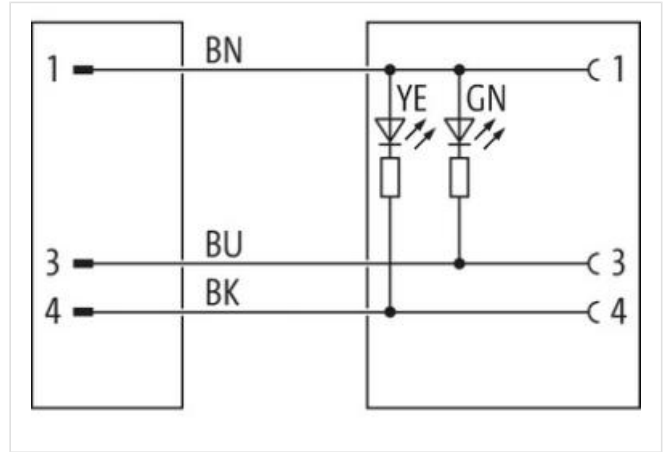
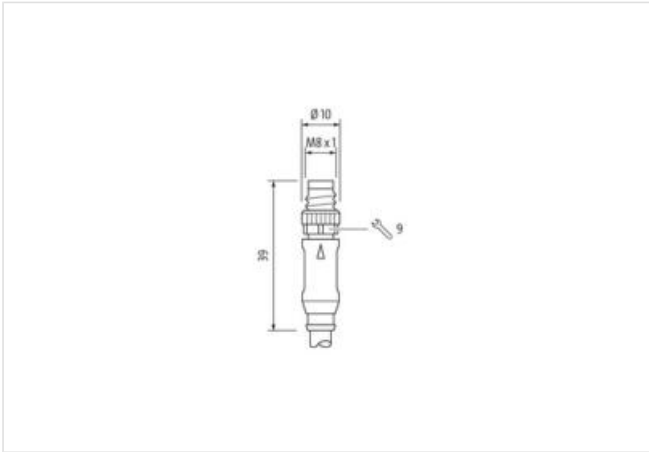
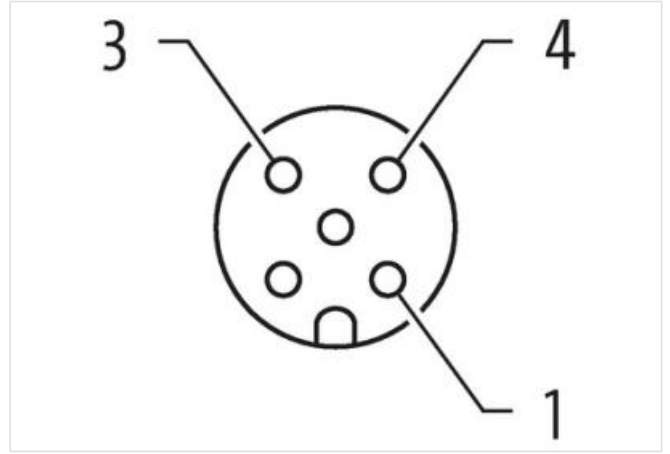
Further cable lengths on request.

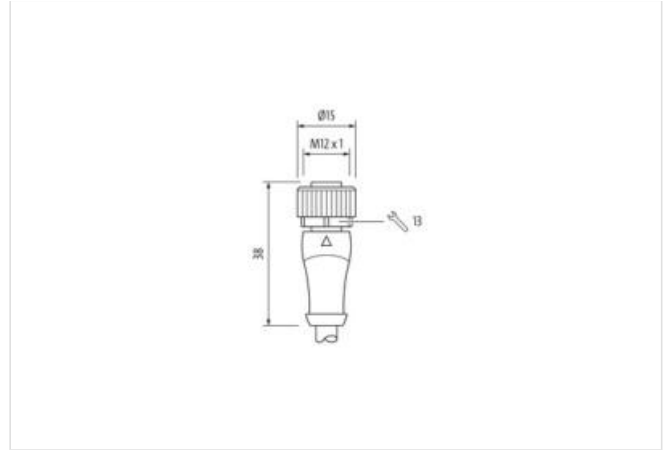
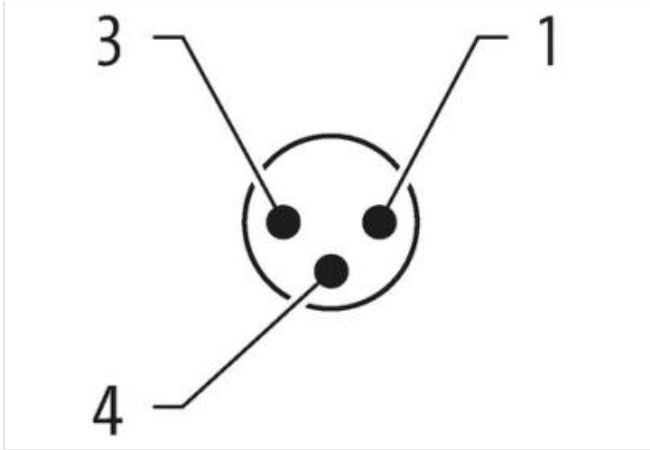
Plastic housings with good resistance against chemicals and oils.

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

Ürün Linki

örnekleme





Ürün Image farklı olabilir



Cable length 4 m

Side 1

Tightening torque 0,4 Nm
Family construction form M8
Thread M8 x 1
suitable for corrugated tube (internal Ø) 6,5 mm
No. of poles 3
Width across flats SW9

Side 2

Tightening torque 0,6 Nm
Family construction form M12
Thread M12 x 1
suitable for corrugated tube (internal Ø) 10 mm
No. of poles 3
Width across flats SW13

Ticari bilgiler

ECLASS-6.0 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
GTIN 4048879375511
Gümrük tarife no (gtip) 85444290
Paket miktarı 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

Status indication LED green, yellow

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 0,8 kV
Material group (IEC 60664-1) I

Mechanical data | Material data

Coating locking safe-cover coated
Material housing PUR
Locking material Zinc die-casting

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

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

Installation | Cable

wire arrangement brown, black, blue
Cable identification 650
Cable Type 5
Jacket Color black
Type of Certificate cURus
Amount stranding 1
Stranding 3 wires twisted
wire arrangement brown, black, blue
Cable weight 26,4 g/m
Material jacket PUR
Shore hardness jacket 58 ± 3 Shore D
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket) 4,3 mm
Tolerance outer diameter (sheath) ± 5 %
Material wire insulation PP
Amount wires 3
Outer diameter insulation 1,25 mm
Outer diameter tolerance core insulation ± 5 %
Shore hardness wire insulation 74 ± 3 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	4,5 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
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	DIN EN 60811-404 Good, application-related testing
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)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	$\pm$ 360 °/m
Torsion speed	35 cycles/min