

M12 male 0° / M12 female 0°

PUR 5x0.5 gy drag ch. 1m

Male straight – female straight

M12 – M12, 5-pole

with cable sleeves

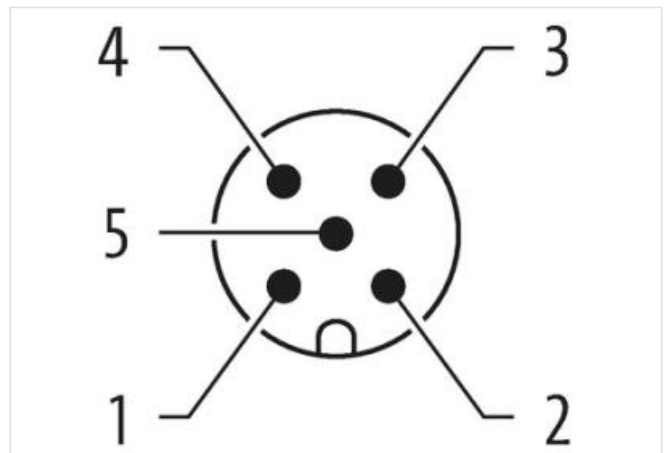
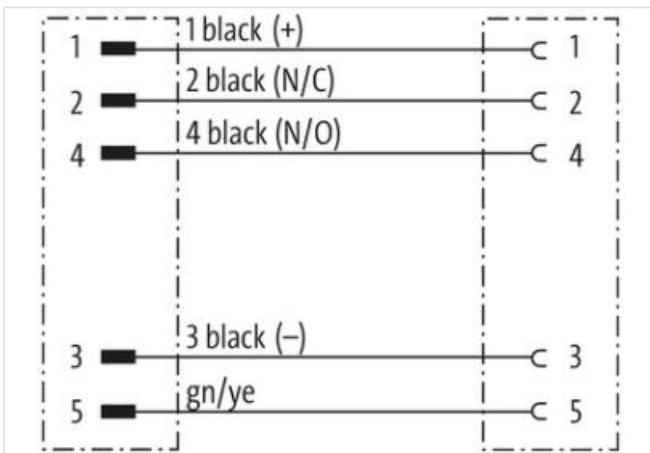
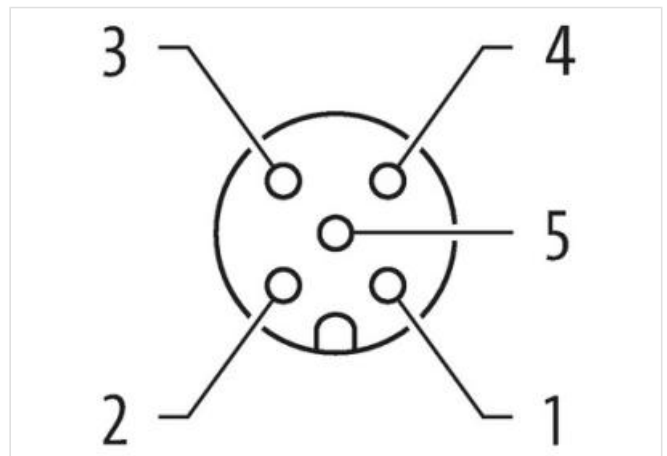
Plastic housings with good resistance against chemicals and oils.

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

Further cable lengths on request.

제품 링크

일러스트





실제 제품은 이미지와 다를 수 있습니다.



Cable length 1 m

Side 1

Tightening torque 0,6 Nm
 Family construction form M12
 Thread M12 x 1
 Coding A
 No. of poles 5
 Width across flats SW13
 Degree of protection (EN IEC 60529) IP67

Side 2

Tightening torque 0,6 Nm
 Family construction form M12
 Thread M12 x 1
 Coding A
 No. of poles 5

제품자료

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 4048879084383
 세번부호 85444290
 포장단위 1

Electrical data | Supply

Operating voltage AC max. 125 V
 Operating voltage DC max. 125 V
 Current operating per contact max. 4 A

Diagnostics

Status indication LED no

Device protection | Electrical

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

Coating locking Nickerled
 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)

Installation | Cable

wire arrangement black 4, black 3, black 2, black 1, green-yellow
 Cable identification 437
 Printing color of wire insulation white (isolation black)
 Jacket Color gray
 Amount stranding 1
 Stranding 5 wires around Core filler twisted
 Stranding factor min. 75 mm
 Stranding factor max. 75 mm
 Banding Fleece
 Filler yes
 wire arrangement black 4, black 3, black 2, black 1, green-yellow
 Cable weight 57,2 g/m
 Material jacket PUR
 Shore hardness jacket 85 ± 5 Shore A
 Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
 Outer-diameter (jacket) 6,2 mm
 Tolerance outer diameter (sheath) ± 5 %
 Material wire insulation PP
 Amount wires 5
 Outer diameter insulation 1,7 mm
 Outer diameter tolerance core insulation ± 5 %
 Shore hardness wire insulation 90 ± 5 Shore A
 Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
 Printing color of wire insulation white (isolation black)
 Amount strands (wire) 28
 Diameter of single wires 0,15 mm
 Conductor crosssection (wire) 0,5 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	6,8 A
Electrical resistance line constant wire	39 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)	-40 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	90 °C
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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	2 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C