

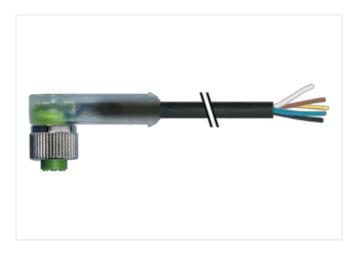
## M12 female 90° A-cod. with cable LED

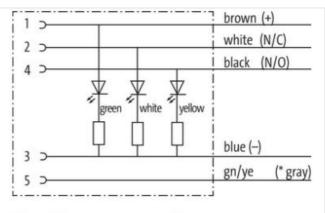
PUR 5x0.34 bk UL/CSA+drag ch. 25m

Female 90° M12, 5-pole 3× LED (PNP) Art-No. 7005 - M12 Lite - (plastic hexagonal screw) 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. Further cable lengths on request.

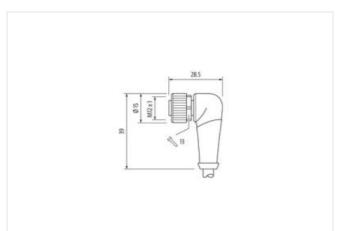
## Link to Product

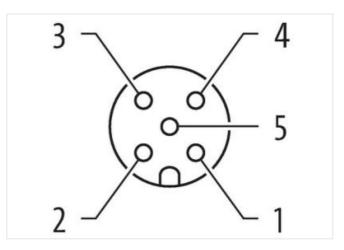






(\* for cable type 126, 732, 219, 619)





Product may differ from Image



25 m

0,6 Nm

Cable length

Side 1

Tightening torque

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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
GTIN	4048879419246
Packaging unit	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, white, yellow
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
· · · · · · · · · · · · · · · · · · ·	Niekolod
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material Material screw connection	Zinc die-casting Zinc die-casting
	Zinc die-Casting
Mechanical data   Mounting data	incented serviced Obalian antentian
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.

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## Conformity

Installation   CableCable identification635Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth41,8 g/mMaterial jacket9U #Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP
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Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       5 wires around Core filler twisted         Filler       yes         wire arrangement       brown, black, blue, white, green-yellow         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Cable weigth       41,8 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)       4,8 mm         Tolerance outer diameter (sheath)       ± 5 %
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Tolerance outer diameter (sheath)     ± 5 %
Amount wires 5
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) 42
Diameter of single wires 0,1 mm
Conductor crosssection (wire) 0,34 mm <sup>2</sup>
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 57 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         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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
Travel speed (C-track) 10 Mio. @ 25 °C
No. of torsion cycles 2 Mio.
Torsion stress ± 180 °/m
Torsion speed 35 cycles/min

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