

## M12 female 90° A-cod. with cable

PUR 5x0.34 bk UL/CSA 1.5m

## **⚠ NOTICE ⚠** PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Female 90°

M12, 5-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

with cable sleeves

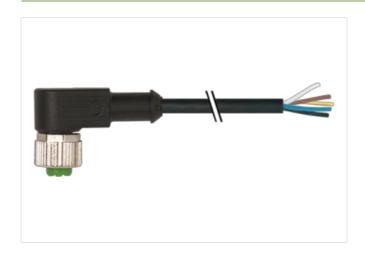
Plastic housings with good resistance against chemicals and oils.

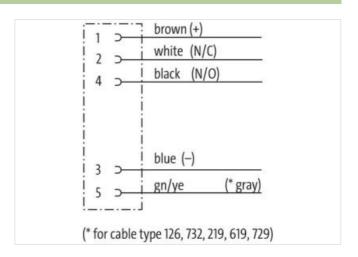
The resistance to aggressive media should be individually tested for your application. Further details on request.

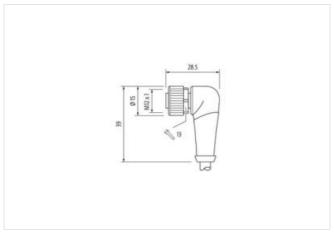
Further cable lengths on request.

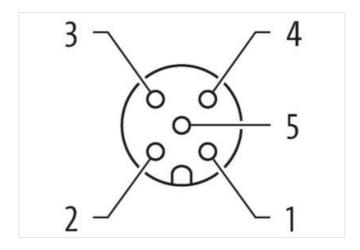
## **Link to Product**

## Illustration









Product may differ from Image















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Side 1         Tightening tarque         0.8 Nm           Munuring method         misertod, screwed           Family construction from         M12           Throad         ME2 1           suitable for corrugated tube (internal 0)         10 mm           Coding         A           Material         PUR           Woman across fasts         SW13           Degree of proteoting (IN IEC 00558)         PP6, PB6K, PB7           Commercial data         ECLASS-0.0           ECLASS-8.1         27279218           ECLASS-8.1         27279218           ECLASS-8.1         27279218           ECLASS-9.0         2779018           ECLASS-9.0         27900911           ECLASS-9.0         27900911           ECLASS-9.1         27000911           ECLASS-9.1         27000911           ECLASS-10.1         27000911           ECLASS-11         27000911           ECLASS-10.1         27000911           ECLASS-11         27000911           ECLASS-10.1         27000911           ECLASS-10.2         27000911           ECLASS-10.3         27000911           ECLASS-10.3         27000911           COLASS-10.3	Cable length	1,5 m
Mountage method   Inserted, strewed	Side 1	
Mountage method   Inserted, strewed	Tightening torque	0.6 Nm
Family construction form		<u> </u>
Thread		· · · · · · · · · · · · · · · · · · ·
Subtable for corrugated table (internal O)		
Coding		
Material   PUR   Width across flats   SW13		
Worth across fields		
Degree of protection (EN IEC 60529)   IP65, IP66K, IP67		
ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27709311 ECLASS-8.0 2709311 ECLASS-1.0.1 2709311 ECLASS-1.0 2709311 ECLASS-1.0 1 1 2509311 ECLASS-1.0 1 2709311 ECLASS-1.0 1 27		
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ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27090311           ECLASS 10.1         27060311           ECLASS 11.1         27060311           ECLASS 12.0         27060311           ETIM 5.0         EC001855           oustoms tariff number         85444290           GTIN         4048879205590           Packaging unit         1           Electrical data Supply         1           Operating voltage AC max.         125 V           Operating voltage DC max.         125 V           Operating voltage DC max.         125 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Politation Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60684-1)         I           I         I           Mechanical data   Material data         Incide casting           Material screw connection         Zinc die-casting           Material screw	ECLASS-6.0	27279218
ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ECLASS-12.0 27060311  ECLASS-12.0 1200315  Customs tariff number 85444290  GTIN 404887920580  GTIN 404887920580  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 S  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking indicated ata   Material data  Coating locking material Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection data   Material data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes	ECLASS-6.1	27279218
ECLASS 9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 EC001855 customs tariff number 85444290 GTIN 4048879205580 Packaging unit 1 Electrical data   Supply Operating voltage AC max. 125 V Operating voltage AC max. 125 V Operating voltage Co (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC max. 125 V Operating voltage AC (UL-listed) 30 V Operating voltage DC max. 125 V Operating voltage Co (UL-listed) 30 V  Installation   Connection   Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3  Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1  Mechanical data   Material data Coating locking Nickeled Coating locking Nickeled Coating locking naterial Zinc die-casting Meterial screw connection Zinc die-casting Meterial screw connection Zinc die-casting Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature range depending on cable quality Important installation notes	ECLASS-7.0	27279218
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ECLASS-10.1         27060311           ECLASS-11.2         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404879205580           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC (IU-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60684-1)         1           Mechanical data   Material data         Coating locking           Coating lo	ECLASS-9.0	27060311
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Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes		
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Important installation notes		
		depending on cable quality
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Important installation notes	
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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)
Cable	
Cable identification	625
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	54,78 g
Material wire	Cu wire, bare
Resistor (core)	max. 57 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Diameter (core)	5× 0.34 mm²
AWG	similar to AWG 22
Material wire isolation	PVC
Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Shore hardness wire isolation	43 ±5 D
Vire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, bk, bl, wh, gnye longitudinally striped
Stranding combination	5 wires twisted around central filler
Shield	no
Material jacket	PUR/PVC
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	5.0 mm ±5%
Color jacket	black
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
remperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>