

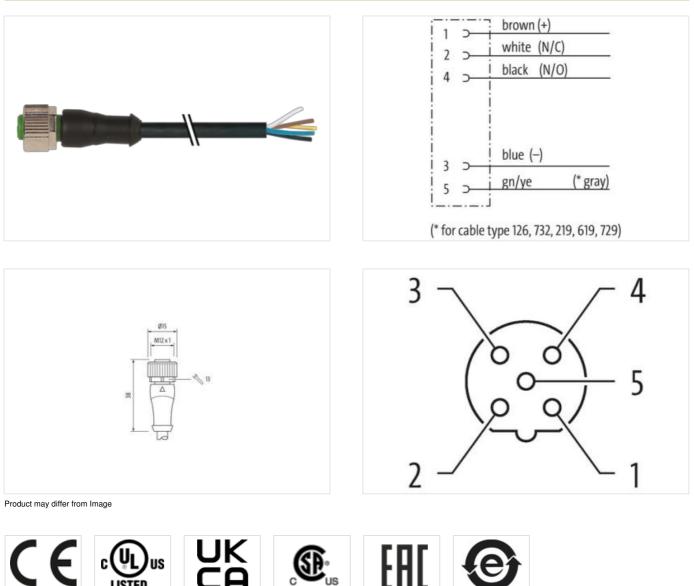
## M12 female 0° B-cod. with cable

PVC 5x0.34 bk UL/CSA 1.5m

Female straight M12, 5-pole B-coded 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





Cable length	1,5 m	
Side 1		
Tightening torque	0,6 Nm	

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Family construction formM12ThreadM12suitable for corrugated tube (internal Ø)10 mCodingBMaterial contactCopMaterialPUFNo. of poles5Width across flatsSWDegree of protection (EN IEC 60529)IP65Side 2Coating contactCoating contactgoldECLASS-6.02700ECLASS-6.12722ECLASS-6.12722ECLASS-7.02722ECLASS-8.02700ECLASS-9.02700ECLASS-10.12700ECLASS-11.12700ECLASS-12.02700ETIM-5.0ECCcustoms tariff number854GTIN4044Packaging unit1Electrical data   Supply0perating voltage AC max.Operating voltage AC max.125	2 x 1 mm opper alloy R 113 5, IP66K, IP67 d plated 161801 279218 279219 279218 279219 279218 279218 279218 279219 279219 279219 279219 279219 279219
ThreadM12suitable for corrugated tube (internal Ø)10 mCodingBMaterial contactCopMaterialPUFNo. of poles5Width across flatsSWDegree of protection (EN IEC 60529)IP65Side 2Coating contactCoating contactgoldECLASS-6.02700ECLASS-6.12722ECLASS-6.12722ECLASS-8.02720ECLASS-8.02720ECLASS-9.02700ECLASS-10.12700ECLASS-11.12700ECLASS-12.02700ETIM-5.0ECCcustoms tariff number854-GTIN4044Packaging unit1Electrical data   Supply0perating voltage AC max.Operating voltage AC max.125	2 x 1 mm opper alloy R 113 5, IP66K, IP67 d plated 161801 279218 279219 279218 279219 279218 279218 279218 279219 279219 279219 279219 279219 279219
suitable for corrugated tube (internal Ø) 10 m Coding B Material contact Cop Material PUF No. of poles 5 Width across flats SW Degree of protection (EN IEC 60529) IP66 Side 2 Coating contact gold Commercial data ECLASS-6.0 2700 ECLASS-6.1 272 ECLASS-6.1 272 ECLASS-8.0 2770 ECLASS-8.0 2770 ECLASS-8.0 2770 ECLASS-9.0 2700 ECLASS-10.1 2700 ECLASS-10.1 2700 ECLASS-10.1 2700 ECLASS-11.1 2700 ECLASS-12.0 2700 ETIM-5.0 ECC customs tariff number 854 GTIN 4044 Packaging unit 1 Electrical data   Supply Operating voltage AC max. 125	mm apper alloy R 113 5, IP66K, IP67 d plated 161801 179218 179
CodingBMaterial contactCopMaterialPUFNo. of poles5Width across flatsSWDegree of protection (EN IEC 60529)IP65Side 2Coating contactgoldCommercial dataECLASS-6.02700ECLASS-6.12722ECLASS-6.12722ECLASS-7.02722ECLASS-8.02700ECLASS-9.02700ECLASS-10.12700ECLASS-11.12700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-11.12700ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.02700ECLASS-12.02700ECLASS-12.01ECLASS-12.01ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02	R 113 5, IP66K, IP67 d plated 161801 179218 179218 179218 179218 160311 160311 160311 160311 160311 160311 160311
Material contactCopMaterialPUFNo. of poles5Width across flatsSWDegree of protection (EN IEC 60529)IP65Side 2Coating contactgoldCommercial data2700ECLASS-6.02700ECLASS-6.12722ECLASS-6.12722ECLASS-7.02722ECLASS-8.02700ECLASS-10.12700ECLASS-10.12700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.01ECLASS-12.02700ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.02700ECLASS-12.01ECLASS-12.02700ECLASS-12.02700ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01ECLASS-12.01EC	R 113 5, IP66K, IP67 d plated 161801 179218 179218 179218 179218 179218 160311 160311 160311 160311 160311 160311 160311
MaterialPUFNo. of poles5Width across flatsSWDegree of protection (EN IEC 60529)IP65Side 2Coating contactgoldCommercial dataECLASS-6.02700ECLASS-6.12722ECLASS-6.12722ECLASS-7.02722ECLASS-8.02700ECLASS-9.02700ECLASS-10.12700ECLASS-11.12700ECLASS-12.02700ETIM-5.0ECCcustoms tariff number854-GTIN4044Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage AC max.125	R 113 5, IP66K, IP67 d plated 161801 179218 179218 179218 179218 179218 160311 160311 160311 160311 160311 160311 160311
Width across flatsSWDegree of protection (EN IEC 60529)IP66Side 2Coating contactgoldCommercial dataECLASS-6.02700ECLASS-6.12722ECLASS-6.12722ECLASS-8.02722ECLASS-9.02700ECLASS-10.12700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-11.12700ECLASS-12.02700ECLASS-12.02700ECLASS-12.02700ECLASS-12.01ECLASS-12.01ECLASS-11.11ECLASS-12.01E	5, IP66K, IP67 d plated 161801 179218 179218 179218 179218 160311 160311 160311 160311 160311 160311
Degree of protection (EN IEC 60529)   IP65     Side 2   Goating contact   gold     Commercial data   ECLASS-6.0   2700     ECLASS-6.1   2722   ECLASS-6.1   2722     ECLASS-6.0   2700   2722   ECLASS-7.0   2722     ECLASS-8.0   2700   2700   ECLASS-9.0   2700     ECLASS-10.1   2700   ECLASS-10.1   2700     ECLASS-12.0   2700   ECLASS-10.1   2700     ECLASS-12.0   2700   ECCLASS-10.1   2700     ECLASS-12.0   2700   ECCLASS-10.1   2700     ECLASS-12.0   2700   ECCL   ECCLASS-10.1   2700     ECLASS-12.0   2700   ECCL	5, IP66K, IP67 d plated 161801 179218 179218 179218 179218 160311 160311 160311 160311 160311 160311
Side 2     Coating contact   gold     Commercial data   ECLASS-6.0     ECLASS-6.1   2700     ECLASS-6.1   2722     ECLASS-6.1   2722     ECLASS-7.0   2722     ECLASS-8.0   2700     ECLASS-9.0   2700     ECLASS-10.1   2700     ECLASS-11.1   2700     ECLASS-12.0   2700     ETIM-5.0   ECCO     customs tariff number   854-     GTIN   4044     Packaging unit   1     Electrical data   Supply   2     Operating voltage AC max.   125	d plated 161801 179218 179218 179218 160311 160311 160311 160311 160311 1001855 144290
Coating contact   gold     Commercial data   2700     ECLASS-6.0   2700     ECLASS-6.1   2722     ECLASS-6.1   2722     ECLASS-7.0   2722     ECLASS-8.0   2722     ECLASS-8.0   2722     ECLASS-9.0   2700     ECLASS-10.1   2700     ECLASS-12.0   2700     ECLASS-12.0   2700     ETIM-5.0   ECC     customs tariff number   8544     GTIN   4044     Packaging unit   1     Electrical data   Supply   2700     Operating voltage AC max.   125	061801   179218   179218   179218   160311   160311   160311   160311   160312   160313   160314   160315   144290
Commercial data     ECLASS-6.0   2700     ECLASS-6.1   2722     ECLASS-7.0   2722     ECLASS-8.0   2772     ECLASS-9.0   2700     ECLASS-10.1   2700     ECLASS-11.1   2700     ECLASS-12.0   2700     ETIM-5.0   ECC0     customs tariff number   854-     GTIN   4044     Packaging unit   1     Electrical data   Supply   0     Operating voltage AC max.   125	061801   179218   179218   179218   160311   160311   160311   160311   160312   160313   160314   160315   144290
Commercial data     ECLASS-6.0   2700     ECLASS-6.1   2722     ECLASS-7.0   2722     ECLASS-8.0   2772     ECLASS-9.0   2700     ECLASS-10.1   2700     ECLASS-11.1   2700     ECLASS-12.0   2700     ETIM-5.0   ECC0     customs tariff number   854-     GTIN   4044     Packaging unit   1     Electrical data   Supply   0     Operating voltage AC max.   125	061801   179218   179218   179218   160311   160311   160311   160311   160312   160313   160314   160315   144290
ECLASS-6.0   270     ECLASS-6.1   272     ECLASS-7.0   272     ECLASS-8.0   272     ECLASS-8.0   270     ECLASS-9.0   270     ECLASS-10.1   270     ECLASS-12.0   270     ECLASS-12.0   270     ETIM-5.0   ECC     customs tariff number   854     GTIN   4044     Packaging unit   1     Electrical data   Supply   270     Operating voltage AC max.   125	279218   279218   179218   160311   160311   160311   160311   160312   160313   160314   160315   144290
ECLASS-6.1   272'     ECLASS-7.0   272'     ECLASS-7.0   272'     ECLASS-8.0   272'     ECLASS-9.0   270'     ECLASS-10.1   270'     ECLASS-10.1   270'     ECLASS-11.1   270'     ECLASS-12.0   270'     ETIM-5.0   ECC     customs tariff number   854'     GTIN   404'     Packaging unit   1     Electrical data   Supply   20'     Operating voltage AC max.   125'	279218   279218   179218   160311   160311   160311   160311   160312   160313   160314   160315   144290
ECLASS-7.0   272'     ECLASS-8.0   272'     ECLASS-9.0   270'     ECLASS-10.1   270'     ECLASS-10.1   270'     ECLASS-10.1   270'     ECLASS-10.1   270'     ECLASS-10.1   270'     ECLASS-10.1   270'     ECLASS-10.0   270'     ECLASS-12.0   270'     ETIM-5.0   ECC     customs tariff number   854'     GTIN   404'     Packaging unit   1     Electrical data   Supply   20     Operating voltage AC max.   125	279218   279218   160311   160311   160311   160311   160312   160313   160314   160315   160316
ECLASS-8.0   272'     ECLASS-9.0   270'     ECLASS-10.1   270'     ECLASS-11.1   270'     ECLASS-12.0   270'     ETIM-5.0   ECC     customs tariff number   854'     GTIN   404'     Packaging unit   1     Electrical data   Supply   200'     Operating voltage AC max.   125'	279218 160311 160311 160311 160311 160315 144290
ECLASS-9.0   2700     ECLASS-10.1   2700     ECLASS-11.1   2700     ECLASS-12.0   2700     ECLASS-12.0   2700     ETIM-5.0   ECC     customs tariff number   854     GTIN   4044     Packaging unit   1     Electrical data   Supply   200     Operating voltage AC max.   125	060311 060311 060311 060311 001855 044290
ECLASS-10.1   2700     ECLASS-11.1   2700     ECLASS-12.0   2700     ECLASS-12.0   2700     ETIM-5.0   ECC     customs tariff number   8544     GTIN   4044     Packaging unit   1     Electrical data   Supply   200     Operating voltage AC max.   125	060311 060311 060311 001855 044290
ECLASS-11.1   270     ECLASS-12.0   270     ETIM-5.0   EC0     customs tariff number   854     GTIN   404     Packaging unit   1     Electrical data   Supply   200     Operating voltage AC max.   125	060311 060311 001855 044290
ECLASS-12.02700ETIM-5.0ECCcustoms tariff number8544GTIN4044Packaging unit1Electrical data   SupplyOperating voltage AC max.125	060311 001855 144290
ETIM-5.0ECCcustoms tariff number854-GTIN404-Packaging unit1Electrical data   SupplyOperating voltage AC max.125	001855 44290
customs tariff number 854   GTIN 404   Packaging unit 1   Electrical data   Supply 0   Operating voltage AC max. 125	44290
Packaging unit 1   Electrical data   Supply   Operating voltage AC max. 125	
Electrical data   Supply   Operating voltage AC max. 125	8879811835
Operating voltage AC max. 125	
Operating voltage AC max. 125	
	SV
opolating tolago 2 o man	
Current operating per contact max. 4 A	
Diagnostics	
• · · · · · · · ·	
Status indication LED no	
Installation   Connection	
Mounting set M12	2 x 1
Device protection   Electrical	
Additional condition protection degree inse	erted, screwed
Pollution Degree 3	
Rated surge voltage 1,5 l	kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking Nick	keled
	kel plated
Material gasket FKM	Ν
Locking material Zinc	c die-casting
Material screw connection Zinc	c die-casting
Mechanical data   Mounting data	
Mounting method inse	erted, screwed, Shaking protection
Environmental characteristics   Climatic	· ·
Operating temperature min25	°C
Operating temperature max. 85 °	
1 5 1	pending on cable quality

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## Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation | Cable Cable identification 615 Cable Type 1 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 Cable weigth 48,4 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,2 mm Tolerance outer diameter (sheath) ±5% Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ±5% Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm<sup>2</sup> Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 300 V Nominal voltage AC max. to DIN VDE 0298-4 Current load capacity (standard) Current load capacity min. wire 4.5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C 2 kV @ 60 s AC withstand voltage (wire - wire) Power frequency withstand voltage (wire -2 kV @ 60 s jacket) -30 °C Min. operating temperature (static) Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C 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 5 x Outer diameter Bending radius (fixed) Bending radius (dynamic) 10 x Outer diameter

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-17

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