

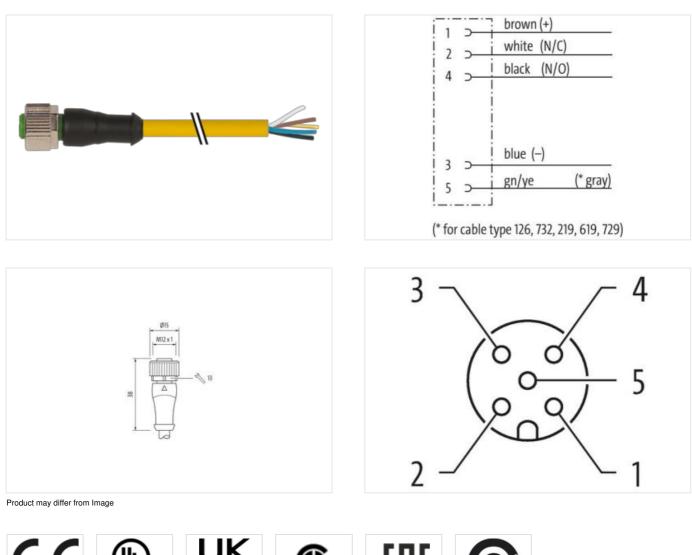
## M12 female 0° A-cod. with cable

PUR 5x0.34 ye UL/CSA+robot+drag ch. 10m

Female straight M12, 5-pole A-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









Conting contentput putedFamily construction formM12 x 1sentative for conrugated tube (internal Ø)10 mmCodingAMatterial contentCopper aloyMaterial contentPUP NNo. of poles5Stream Construction (EN EC 66529)IP65, IP66K, IP67Stepere of protection (EN EC 66529)IP779218ECLASS 6.027279218ECLASS 6.027279218ECLASS 6.027279218ECLASS 6.027279218ECLASS 6.027279218ECLASS 8.027000311ECLASS 8.027000311ECLASS 8.1127000311ECLASS 8.1127000311ECLASS 8.1127000311ECLASS 8.1127000311ECLASS 8.1127000311ECLASS 8.1327000311ECLASS 8.1427000311ECLASS 8.1527292185ECLASS 8.1527202103.44 174 117Coutoms taiff number6844269OTIN444879211580Parating voltagio AC max.125 VOparating voltagio AC max.125 V <th>Mounting method</th> <th>inserted, screwed</th>	Mounting method	inserted, screwed
Tiread         M12 x 1           suitable for corrugated tube (internal (d)         10 mm           Coding         A           Material contact         Copper aloy           Material contact         Copper aloy           Material contact         Copper aloy           No. of poles         5           With across flats         SW13           Degree of protection (EN EC 60529)         IP65, F06K, IP67           Side 2            Stripping length (acket)         20 mm           Coaling contact         god paled           Coaling contact         god paled           Coaling contact         2727818           ECLASS -0         2727818           ECLASS +0         27260311           ECLASS +0         27260311           ECLASS +10         27060311           ECLASS +10         27060311           ECLASS +10         2727818           Colass +11         27060311      <	Coating contact	gold plated
TreadM12 x 1suitable for corrugated tube (internal Q)10 mmcodingAMaterial contantCopper aloyMaterial contantPURNa. of poles5With across lialsSW13Degres of protection (ENIEC 60529)IP65, IP67.Side 2Stripping longth (acket)20 mmCoaling contantgold palodCoaling contantgold palodCoaling contant2727818ECLASS 6.02727818ECLASS 7.02727818ECLASS 7.0 <td< td=""><td>Family construction form</td><td>M12</td></td<>	Family construction form	M12
Coding         A           Material contact         Copper allay           Material contact         Copper allay           Material poles         5           Stropper of protection (EN IEC 60528)         IP65, IP66K, IP67           Stde 2            Stropping length (jacket)         20 mm           Codamy contact         gold plated           Commodial data         gold plated           Commodial data         2779218           ECLASS-6.0         27279218           ECLASS-7.0         27260311           ECLASS-7.0         27260311           ECLASS-7.0         27260311           ECLASS-7.0         27260311	Thread	M12 x 1
Material         Capper alloy           Material         PUR           No. of poles         5           With across fats         SW13           Degree of protection (EN IEG 60529)         IP65, IP66K, IP67           Side 2         Stroping length (tacket)         20 mm           Coating contact         gold plated         Coating contact         gold plated           Commercial data         ECLASS-6.0         27279218         ECLASS-6.1         27279218           ECLASS-6.0         27279218         ECLASS-6.0         27279218           ECLASS-6.0         27279218         ECLASS-6.0         27279218           ECLASS-6.0         27279218         ECLASS-6.0         27260311           ECLASS-6.0         27060311         ECLASS-1.0         27060311           ECLASS-1.0         27060311         ECLASS-1.0         27060311           ECLASS-1.1         27060311         ECLASS-1.0         27060311           ETM-5.0         2028-0.8-24 17.41.17         cuastom staff number         8544280           GTM         40485721550         Porating volage AC max.         125 V           Operating volage AC max.         125 V         Operating volage AC max.         125 V           Operating volage AC fUL-listed)<	suitable for corrugated tube (internal $\emptyset$ )	10 mm
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Width across flats         SW13           Dagree of protection (EN IEC 60529)         IPPS, IP6K, IP67           Stids A         Stripping length (jacket)         20 mm           Commorcial data         gold plated         Commorcial data           ECLASS-6.0         27279218         ECLASS-6.1         27279218           ECLASS-6.0         27279218         ECLASS-6.0         27279218           ECLASS-6.0         27279218         ECLASS-6.0         27279218           ECLASS-6.0         27279218         ECLASS-6.0         27279218           ECLASS-6.0         27279218         ECLASS-6.0         27279218           ECLASS-7.0         27279218         ECLASS-1.0         27060311           ECLASS-1.0         27060311         ECLASS-1.0         ECLASS-1.0           ECLASS-1.1         27060311         ECLASS-1.0         ECLASS-1.0           ECLASS-1.1         27060311         ECLASS-1.0         ECLASS	Material	PUR
Dagree of protection (EN IEC 60529)         IP66, IP66K, IP67           Side 2         Stripping length (jacket)         20 mm           Coating contract         god plated         Commercial data           ECLASS 6.0         27279218         ECLASS 6.0         27279218           ECLASS 6.0         27279218         ECLASS 6.0         27279218           ECLASS 7.0         27279218         ECLASS 7.0         27279218           ECLASS 8.0         27279218         ECLASS 7.0         27279218           ECLASS 9.0         27060311         ECLASS 7.0         27060311           ECLASS 9.0         27060311         ECLASS 7.0         27279218           ECLASS 9.0         2023-03-24 17.41.17         cuastoms tardf number         B44250           GTIN         4948720 1550         Packajng unit         1           Etectricat datal Suppit         1         Etectricat datal Suppit         Gorand operating voltage DC max.         125 V           Operating voltage DC max.         125 V         Operating voltage DC ma	No. of poles	5
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Coating contact         gold plated           Commercial data	Side 2	
Coating contact         gold plated           Commercial data	Stripping length (jacket)	20 mm
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           ECLASS-12.0         27060311           ETM-5.0         2023-03-24 17.41:17           customs tariff number         85444290           GTIN         404897211550           Packaging unit         1           Etercical data   Supply		gold plated
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           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         2023-03-24 17.41:17           customs tariff number         85444290           GTIN         40489721 1550           Packaging unit         1           Etercted data   Supply		
ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27660311           ECLASS-8.0         27660311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETM-5.0         2023-03-24 17.41:17           customs tariff number         8544290           GTN         404879211550           Packaging unit         1           Etertical data   Supply		07070010
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         20263.32.417.41.17           customs tariff number         85444290           GTIN         4048873211550           Packaging unit         1 <b>Electrical data  Supply</b> Operating voltage AC max.           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A <b>Diagnostics</b> 20 mm           Stripping length (jacket)         20 mm           M		
ECLASS-8.0         27278218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-11.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         270821150           Castom staff number         8544290           GTIN         40485721150           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics         1           Status indication LED         no           Installation I Connection         1		
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         2023-03-24 17:41:17           customs tariff number         8544290           GTIN         404879211550           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC (LL-listed)         30 V           Operating voltage AC (LL-listed)         30 V           Operating voltage AC (LL-listed)         30 V           Operating voltage DC (LL-listed)         30 V           Operati		
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           Caustoms tariff number         8544290           GTN         4048879211550           Packaging unit         1           Electrical data   Supply         Uperating voltage AC max.           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         no           Installation   Connection         Stripping length (jacket)           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Stripping length (jacket)		
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         2023-03-24 17:41:17           customs tariff number         85444290           GTIN         4048879211550           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics            Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical            Additional condition protection degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Material group		
ECLASS-12.0         27060311           ETIM-5.0         2023-03-24 17:41:17           customs tariff number         85444290           GTIN         404879211550           Packaging unit         1           Electrical data   Supply            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           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics            Status indication LED         no           Installation   Connection            Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical            Additional condition protection degree         3           Rated surge voltage         1.5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data            Coating of fitting         nickel plated           Material gaset         FKM           Locking material         Zinc die-casting <td></td> <td></td>		
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Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       125 V         Operating voltage DC max.       125 V         Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Diagnostics       Status indication LED         Status indication LED       no         Installation   Connection       Stripping length (jacket)         Zorm       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating of fitting         Coating locking       safe-cover coated         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting		
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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)       I         Mechanical data   Material data         Coating locking       safe-cover coated         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting	Installation   Connection	
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       safe-cover coated         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting	Stripping length (jacket)	20 mm
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Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       safe-cover coated         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting	Device protection   Electrical	
Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       safe-cover coated         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)       I         Mechanical data   Material data       Image: Coating locking         Coating locking       safe-cover coated         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting	Pollution Degree	3
Mechanical data   Material data         Coating locking       safe-cover coated         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting	Rated surge voltage	1,5 kV
Coating locking     safe-cover coated       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting	Material group (IEC 60664-1)	I
Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting	Mechanical data   Material data	
Material gasket     FKM       Locking material     Zinc die-casting	Coating locking	safe-cover coated
Locking material Zinc die-casting	Coating of fitting	nickel plated
	Material gasket	FKM
Material screw connection Zinc die-casting	Locking material	Zinc die-casting
	Material screw connection	Zinc die-casting
Mechanical data   Mounting data	Mechanical data   Mounting data	
Mounting method inserted, screwed, Shaking protection	Mounting method	inserted, screwed, Shaking protection

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: 2024-05-09



Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
Additional condition temperature range depending on cable quality Important installation notes	
Important installation notes	
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of eable tice	
note on strain renormed in the usage of cable lies.	
Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can b endangered by excessive bending forces.	e
Conformity	
Product standard DIN EN 61076-2-101 (M12)	
Installation   Cable	
Cable identification 055	
Cable Type 5	
Jacket Color yellow	
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) 5 m @ 25 °C   horizontal	
Cable weigth 41,8 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) 5 mm	
Tolerance outer diameter (sheath) ±5%	
Material wire insulation PP	
Amount wires 5	
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) 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 60 Ω/km @ 20 °C	
AC withstand voltage (wire - wire) 2,5 kV @ 60 s	
Power frequency withstand voltage (wire - 2,5 kV @ 60 s jacket)	
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	
Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2	
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	

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Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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