

## M12 female 0° A-cod. with cable

PVC 3x0.34 ye UL/CSA 3m

Female straight

M12, 3-pole

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

with cable sleeves

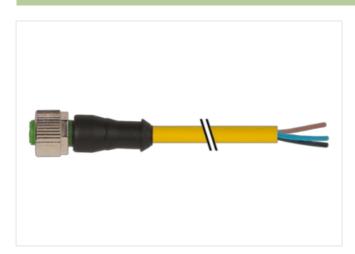
Plastic housings with good resistance against chemicals and oils.

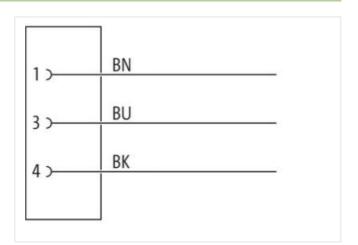
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

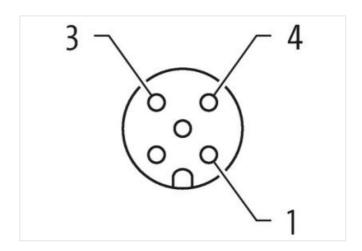
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

3 m

Side 1

Tightening torque

0,6 Nm

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: 2024-04-24



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Family construction form	Mounting method	inserted, screwed
soutable for corrugated tube (internal 6)         10 mm           Coding         A           Maintarial         PUR           No. of poles         3           Width across flus         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         SW13           Commercial data         20 mm           ECLASS-6.0         22278218           ECLASS-7.0         27278218           ECLASS-7.0         27278218           ECLASS-8.0         27278218           ECLASS-8.0         27278218           ECLASS-9.1         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         2707031           CLEASS-1.2.0         2707031	Family construction form	M12
A	Thread	M12 x 1
Mote of poles	suitable for corrugated tube (internal Ø)	10 mm
No. of poles         3           Width across flats         SW13           Degree of proteion (EN IEC 60529)         P65, IP66K, IP67           Side 2           Simping length (lacket)           Commercial data           COMMERCIA (Lacket)           COMMERCIA (Lacket)           COMMERCIA (Lacket)           CELASS 6.0           CELASS 8.0           CELASS 9.0           CELASS 9.0 <td>Coding</td> <td>A</td>	Coding	A
Width access flats         SW13           Degree of protection (EN IEC 80529)         P96, IPB6K, IP67           Side 2         Stripping length (jacker)         20 mm           Commercial data           ECLASS 6.1         27279218           ECLASS 6.1         27279218           ECLASS 7.0         2779218           ECLASS 9.0         27790311           ECLASS 9.0         27790311           ECLASS 12.0         27060311           ECLASS 12.0         270760311           Packaging unit         1           Electrical data Supply         2           Perating vallage AC Taxx.         250 V           Operating vallage DC Daxx.         250 V           Operating vallage DC Max.	Material	PUR
Pegs.   Pegs	No. of poles	3
Side 2           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.3         27060311           ECLASS-12.0         27060311           ECLASS-13.0         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-10.3         27060311           ECLASS-10.4         27060311           ECLASS-10.8         ECOURSS-20.0           Coustoms tariff number         8544230           GTIM         4048878214377           Packaging unt         1           Electrical data   Supply         Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (U.I-steet)         30 V           Operating voltage AC (U.I-steet)         30 V           Operating longth (gacket)         20 mm           Mounting set         Macratil accordion protection diagroe         inserted, screwed <td>Width across flats</td> <td>SW13</td>	Width across flats	SW13
Stripping length (jacket)   20 mm	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         2708311           ECLASS 9.1         27060311           ECLASS 9.1         27060311           ECLASS 9.1         27060311           ECLASS 9.2         2708311           ECLASS 9.3         27060311           ECLASS 9.4         27060311           ECLASS 9.6         27060311           ECLASS 9.1.0         27060311           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 9.1         27060311           ECLASS 9.2         27060311           Electrical data   Supply         250 V           Operating voltage DC max         250 V           Operating voltage DC max         250 V           Operating voltage DC (UL-listed)         30 V           Current operating per	Side 2	
ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         2779218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-10.0         27060311           ECLASS-10.0         E001855           customs tarilf number         85444290           GTIN         4048879214377           Packaging unt         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC QUL. Listed.         30 V           Urrent operating per contact max.         4 A           Installation   Connection         Installation   Connection           Stripping length (facket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional conditio	Stripping length (jacket)	20 mm
ECLASS 6.1         27279218           ECLASS 7.0         27279218           ECLASS 9.0         27080311           ECLASS 9.0         27080311           ECLASS 10.1         27080311           ECLASS 11.1         27080311           ECLASS 12.0         27080311           ETIM 5.0         EC001805           uoustoms tariff number         6844290           GTIN         4048879214377           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection,   Electrical         M2 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Reckanical data   Material data         Contract of listing           Coating locking         Nickeled	Commercial data	
ECLASS 6.1         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0.1         27060311           ECLASS 9.1.1         27060311           ECLASS 9.2         27060311           ETIM-5.0         EC001855           ucutoms taiff number         8644290           GTN         4048879214377           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Reckanical data   Material data           Coating forking         Nickeled           Coating of fitting         nickele casting           Material screw connection         Zinc die-casting	FCLASS-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         EC01855           customs tariff number         85444290           GTIN         4048879214377           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (IU-listed)         30 V           Operating longth (jackel)         20 mm           Mounting set         M12 X 1           Device protection   Electrical         Additional condition protection degree         inserted, sorewed           Pollution		
ECLASS-8.0         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           GTN         4048879214377           Packaging unit         1           Electrical data   Supply         V           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating per contact max.         4 A           Installation   Connection         Stripping length (jacket)         20 mm           Mounting set         M1x x 1           Device protection   Electrical         3           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material grow (IEC 60664-1)         1           Mechanical data   Material data         Cacting of fitting           Coating of fitting         nickel plated           Cocking material         Zinc die-casting           Material screw		
ECLASS 9.0         27060311           ECLASS 1-0.1         27060311           ECLASS 1-1.1         27060311           ECLASS 1-2.0         27060311           ETIM-5.0         EC0011855           ususioms tariff number         85444290           GTIN         4048879214377           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         30 V           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Politution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         2/2 inc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting		
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001885           customs tariff number         8544290           GTIN         4048879214377           packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating ovltage DC max.         4 A           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection           Stripping length (jacket)           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data           Coating locking         Nickeled		
ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048878214377           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection           Stripping length (jacket)           Mounting set           M12 x 1           Device protection   Electrical           Additional condition protection degree           inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60684-1)         1           Mechanical data   Material data           Coating of fitting         nickele plated           Locking material         Zinc die-casting           Mechanical data   Mounting data <td< td=""><td></td><td></td></td<>		
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879214377           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating pre-contact max.         4 A           Installation   Connection           Stripping length (facket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree           Inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data		
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879214377           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating per contact max.         4 A           Installation   Connection         Strippin length (jacket)           Strippin length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Poliution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Enclaing locking           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Metenical data   Mounting data         Mounting method           Mechanical data   Mounting data         inserted, screwed, Shaking protection           En		
customs tariff number 85444290 GTIN 4048879214377 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 250 V Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage CO (UL-listed) 30 V Operating voltage CO (UL-listed) 30 V Operating voltage CO (UL-listed) 30 V Operating voltage AC max. 4 A  Installation   Connection  Stripping length (facket) 20 mm Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3  Rated surge voltage AC jo KV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Poperating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range		
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Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage AC (UI-listed) 30 V  Installation   Connection		
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Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating of fitting nickel plated  Locking material  Screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature max. 85 °C  Additional condition temperature range		
Current operating per contact max. 4 A  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Locking material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range		
Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range		
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Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Nickeled  Coating of fitting  nickel plated  Locking material  Zinc die-casting  Material screw connection  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	Pollution Degree	3
Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range	Rated surge voltage	2,5 kV
Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range	Material group (IEC 60664-1)	1
Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Mechanical data   Material data	
Locking material  Material screw connection  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	Coating locking	Nickeled
Material screw connection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality		·
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality		•
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality		Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Mechanical data   Mounting data	
Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality	Operating temperature min.	-25 °C
Additional condition temperature range	Operating temperature max.	85 °C
O and a smaller	Additional condition temperature range	depending on cable quality
LONTOPMIN	Conformity	

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: 2024-04-24



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Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	013
Cable Type	1
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	34,1 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)	4,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	3
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 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
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	Good, application-related testing   DIN EN 60811-404

Bending radius (fixed)

Bending radius (dynamic)

5 x Outer diameter

10 x Outer diameter