

## M12 female 0° A-cod. with cable

PUR 3x0.34 gy UL/CSA 2m

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

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.

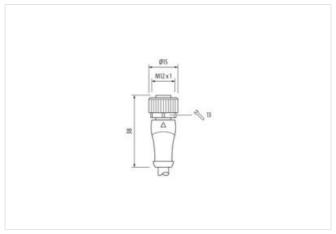
Further cable lengths on request.

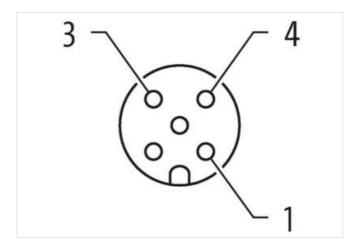
## **Link to Product**

## Illustration









Product may differ from Image















stay connected

Material         PUR           No. of poles         3           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Stripping length (jacket)         20 mm           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         4048879347792	Cable length	2 m
Meuring method   Inserted, screwed	Side 1	
Meuring method   Inserted, screwed	Tightening torque	0.6 Nm
Family construction form M12 Thread M12 x 1 M12 x 1 Marianal M12 x 1 Marianal PUR Marianal PUR No. of poles 3 No. of poles SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Slobe 2 Stripping length (lacket) 20 mm Commercial data  ECLASS 6.0 27278218 ECLASS 7.0 27278218 ECLASS 8.0 27278218 ECLASS 8.0 27278218 ECLASS 9.0 27278218 ECLASS 9.0 27278218 ECLASS 9.0 27060311 ECLASS 9.0 27060311 ECLASS 1.1 27060311 ECLASS 9.0 20080310 ECLASS 9.0 20080310 ECLASS 9.0 27060311 ECLASS 9.0 20080310 ECLASS 9.0 20080311 ECLASS 9.0 20080310 ECLASS 9.0 20080311 ECLASS 9.0 2008031 ECLASS 9.0 20		· · · · · · · · · · · · · · · · · · ·
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A		M12 x 1
Material	suitable for corrugated tube (internal Ø)	10 mm
No. ol poles 3 With across flats 5 Sivid 2 Sirbping length (fackel) 20 mm  Commercial data 6 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-6.1 2779218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27000311 ECLASS-8.0 27000311 ECLASS-8.0 27000311 ECLASS-11 27000311 ECLASS-11 27000311 ECLASS-12.0 27000311 ECLASS-13 1 27000311 ECLASS-14 27000311 ECLASS-15 1 27000311 ECLASS-16 2 27000311 ECLASS-17 1 27000311 ECLASS-18 1 27000311 ECLASS-19 2 27000311 ECLASS-10 2 2000311 ECLASS-10	Coding	A
Width across fals         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Proper of protection (EN IEC 60529)         IP65, IP66K, IP67           Stripping length (jacket)         20 mm           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27070311           ECLASS-12.0         27070311           ECLASS-12.0         27070311           ECLASS-12.0         27070311           ECLASS-12.0	Material	PUR
Pegs of protection (EN IEC 60529)	No. of poles	3
Side 2   Stripping length (jacket)   20 mm	Width across flats	SW13
Stripping length (jacket)   20 mm	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Colmercial data	Side 2	
ECLASS-6.0 27279218  ECLASS-6.1 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ECLASS-12.0 ECO01865  CUSSOR ECON ECON ECON ECON ECON ECON ECON ECON	Stripping length (jacket)	20 mm
ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27260311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.0 27060311 ECLASS-10.0 27060311 ETIM-5.0 EC03855 customs tariff number 85444290 GTIN 404887947792 Packaging unit 1 Electrical data   Supply Operating voltage AC max. 250 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A  Installation   Connection  Stripping length (jacket) 30 V  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 of litting incide locked  Pollution material data   Material data Coating of litting incide locked  Coating of litting incide locked  Mechanical data   Material data Coating material  2 incide-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic	Commercial data	
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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         4048879347792           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (U-listed)         30		
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ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         4048879347792           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 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)           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           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material serve vonnection         Zinc die-casting           Mechanical data   Mounting data           Mounting method	ECLASS-9.0	
ECIASS-12.0         27660311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879347792           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           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 locking         Nickeled leasting           Methorical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection	ECLASS-10.1	27060311
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404879347792           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage per contact max.         4 A           Installation   Connection         V           Stripping length (jacket)         20 mm           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 of lifting           Coating of lifting         nickel plated           Coating of lifting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic	ECLASS-11.1	27060311
customs tariff number 85444290 GTIN 4048879347792 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) 40 N  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 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	ECLASS-12.0	27060311
GTIN 4048879347792 Packaging unit 1  Electrical data   Suppty 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 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 Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climatic	ETIM-5.0	EC001855
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Installation   Connection	customs tariff number	85444290
Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage DC max. 250 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) 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 Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	GTIN	4048879347792
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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 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		250 V
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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 Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic	Operating voltage DC (UL-listed)	30 V
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 Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic	Current operating per contact max.	4 A
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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 Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic		
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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 Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic	•	incorted corowed
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		
Material group (IEC 60664-1)    Mechanical data   Material data	·	
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		L,0 K1
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		•
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Locking material  Material screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method  inserted, screwed, Shaking protection  Environmental characteristics   Climatic		
Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic	·	<u>`</u>
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic	·	
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic		Zino dio-odating
Environmental characteristics   Climatic		invalue and Obelian controlling
Operating temperature min25 °C		
	Operating temperature min.	-25 °C



Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Cable	
Cable identification	223
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97 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)	3× 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
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, bk, bl
Stranding combination	3 wires twisted
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)	4.3 mm ±5%
Color jacket	gray
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
Temperature 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/s²