

## M12 female 0° A-cod. with cable

PVC 3x0.34 bk UL/CSA 1.5m

Female straight

M12, 3-pole

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

with cable sleeves

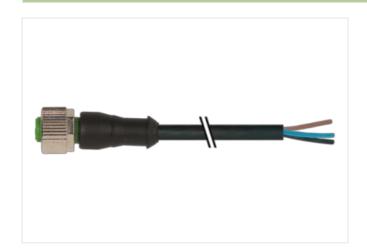
Plastic housings with good resistance against chemicals and oils.

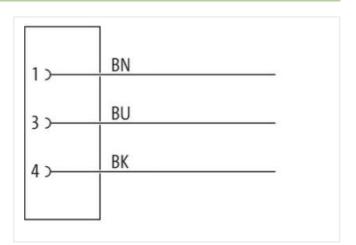
The resistance to aggressive media should be individually tested for your application. Further details on request.

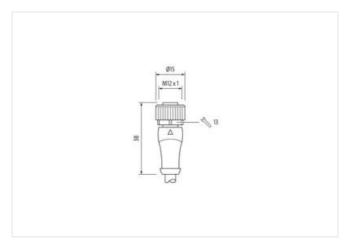
Further cable lengths on request.

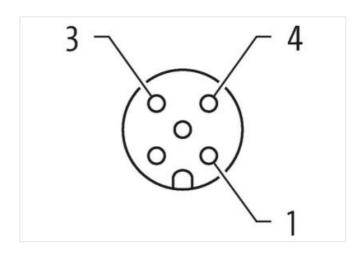
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

1,5 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: 2024-04-19



stay connected

Family construction form M12 Throad M12.1  autable for corrugated tube (internal 0) 10 mm  Coding A  A  Material PUR  No. of poes 3  With across stats SW13  Deprise of protection (EN IEC 00528) IPS6, IPS6, IPS6, IPS6  Site 2  Shipping length (lacket) 20 mm  Commercial data  ECLASS-R.0 27278218  ECLASS-R.1 27278218  ECLASS-R.1 27278218  ECLASS-R.0 27278218  ECLASS-R.1 27278218  ECLASS-R.0 27278218  ECLASS-	Mounting method	inserted, screwed
Sudable for corrugated tube (internal 6)   10 mm	Family construction form	M12
Cading	Thread	M12 x 1
Material         PUR           No. of poles         3           Width across filas         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Stripping length (jacker)         20 mm           Commercial data           ECLASS 6.0         27779218           ECLASS-6.1         27779218           ECLASS-7.0         2779818           ECLASS-8.0         27799219           ECLASS-8.0.1         27060311           ECLASS-9.0.1         27060311           ECLASS-9.1.1         27060311           ECLASS-9.1.2         27000311           ECLASS-9.0         27090311           ECLASS-9.1.0         27000311           ECLASS-9.1.1         27060311           ECLASS-9.1.2         27000311           ECLASS-9.1.3         27060311           ECLASS-9.1.4         27090311           ECLASS-9.1.0         27000311           ECLASS-9.1.1         27000311           ECLASS-9.2.0         27000311           ECLASS-9.2.0         27000311           ECLASS-9.1.2         27000311           EVER TIME 5.0         ECO1855           Oustain of Contract of Contract of Contract of Contract of Contract	suitable for corrugated tube (internal Ø)	10 mm
No. of poles         3           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Shepping length (lacker)         20 mm           Shepping length (lacker)         27279218           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27060311           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ETIM-5.0         EC01865           customs sarff number         85442590           GTIN         4048379213776           Packaging unit         1           Electrical data I Supply         February           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (ILL islaed)         30 V           Operating voltage AC (ILL islaed)         30 V           Operating voltage per contact max.         4 A           Installation I Connection         Max 1           Device protection I Electrical         Max 2	Coding	A
Width across flats         SW13           Degree of protection (EN IEC 60828)         P956, IP66K, IP67           Side 2         Stripping longth (jackal)         20 mm           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         2779218           ECLASS-9.0         27609311           ECLASS-1.1         27609311           ECLASS-1.2.0         27609311           ECLASS-1.2.0         27609311           ECLASS-1.0         27796311           PCLASS-1.0         27796311           PCLASS-1.0         27796311           PCLASS-1.0         27796311           PCLASS-1.0         27796311           PCLASS-1.0         2800           Operating valual         280 V <t< td=""><td>Material</td><td>PUR</td></t<>	Material	PUR
Pegs of protection (EN IEC 69529)	No. of poles	3
Side 2	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-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         2709311           ECLASS-9.0         2709311           ECLASS-9.1         27060311           ECLASS-11.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         2706311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879213776           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           Current operating por contact max.         4 A           Installation   Connection           Stripping length (facket)         30 V           Outent operating por contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Racid surge vorta	Side 2	
ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         E001855           customs tariff number         85444290           GTIN         4048879213776           Packaging unt         1           Electrical data   Supply           Operatiny voltage AC max.         250 V           Operatiny voltage AC QLU-listed)         30 V           Current operating por contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Rated say grow yoltage	Stripping length (jacket)	20 mm
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ECLASS 6.1         27279218           ECLASS 7-0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 1-0.1         27060311           ECLASS 11.1         27060311           ECLASS 12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879213776           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 per contact max.         4 A           Installation   Connection         Multiplicated           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree inserted, screwed           Pollution Degree         3           Reted surge voltage         2,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         I           Coating locking         Nickeled           Coating material         Zinc die-casting           Mech	ECLASS-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         ECO18S5           customs tariff number         85444290           GTIN         4048879213776           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           Stripping length (jackel)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Pollution Degree         3		
ECLASS-8.0         27279218           ECLASS-9.0         27660311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         4048879213776           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.           Operating voltage DC 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 (facket)           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)         I           Mechanical data   Material data         Contraction           Coating locking         Nickeled           <		
ECLASS-9.0   27060311   2706031		
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879213776           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.           250 V         Operating voltage AC (UL-listed)           30 V         Operating voltage DC max.           Operating voltage PC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection           Stripping length (jacket)           Mult x 1           Device protection   Electrical           Additional condition protection degree           Pollution Degree         3           Additional condition protection degree           Nickeld           Coating olicking         Nickeled           Coating olicking         Nickeled           Coating olicking         Nickeled           Coating oliting         nickel plated		
ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff rumber         85444290           GTIN         4048879213776           Packaging unit         1           Electrical data   Supply         Poreating voltage AC max.           Operating voltage AC max.         250 V           Operating voltage AC (LI-Listed)         30 V           Operating voltage AC (LI-Listed)         30 V           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           Pollution Degree         2,5 kV           Material group (IEC 80664-1)         1           Mechanical data   Material data         Coating of fitting           Coating of fitting         nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mounting enthod		
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048679213776           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage PC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         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 kW           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data		
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879213776           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         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)         1           Mechanical data   Material data         Coating of fitting           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed		
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Packaging unit 1  Electrical data   Supply  Operating voltage DC 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  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	customs tariff number	
Packaging unit 1  Electrical data   Supply  Operating voltage DC 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  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		
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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  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range	11 0 0 0 7	
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 temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality		
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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		
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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		•
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		Nickeled
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		
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		·
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	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 min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality	Environmental characteristics   Climatic	
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Additional condition temperature range depending on cable quality	· · · · · ·	85 °C
		depending on cable quality
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	Conformity	



stay connected

B 1 1 1 1 1	DIN EN 04070 0 404 (8440)
Product standard	DIN EN 61076-2-101 (M12)

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Installation   Cable	
Cable identification	613
Cable Type	1
Jacket Color	black
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
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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter