

## M12 male 0° A-cod. with cable

PVC 5x0.34 bk UL/CSA 25m

Male straight A-coded M12, 5-pole

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

Further cable lengths on request.

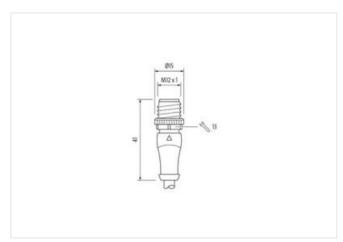
The resistance to aggressive media should be individually tested for your application. Further details on request.

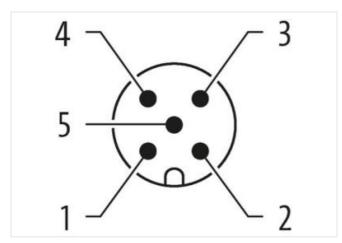
Plastic housings with good resistance against chemicals and oils.

## **Link to Product**

## Illustration









Product may differ from Image













Cable length

25 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: 2024-06-26



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Particy construction form	Mounting method	inserted, screwed
Timesed         MEX.1           Cables coulder         10 mm           Cacling         A           Material         PUR           No. of poles         5           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP85, IP86K, IP87           State 2         Width across flats           Side 2         Width across flats           Side 3         SW19           Family construction form         The cable end           Commodified ta         Width across flats end           ECLASS 8.0         27278218           ECLASS 7.0         27278218           ECLASS 8.0         27278218           ECLASS 8.0         2700031           ECLASS 8.0         2700031           ECLASS 9.1         2700031           ECLASS 9.1.0         2700031           ECLASS 9.2         2700031           ECLASS 9.2         2700031           ECLASS 9.3         2700031           ECLASS 9.4         2700031           ECLASS 9.5         20 20 20 20 20 20 20 20 20 20 20 20 20 2		<del>`</del>
Subtile for corrugated tube (internal Ø)         10 mm           Cable outlat         straight           Cable outlat         straight           Cading         A           Material         PUR           No. of poles         5           Widh across fields         SW13           Degree of protection (EN IEC 60529)         IPSS, IPSS, IPSS, IPSS           Side 2         Stroping length (jucked)         20 mm           Family construction form         free cable and           Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 9.0         27279218           ECLASS 9.0         2729318           ECLASS 9.0         27090311           ECLASS 9.0         27090311           ECLASS 9.0         27090311           ECLASS 9.0         27090311           ECLASS 9.1         27090311           ECLASS 9.1         27090311           ECLASS 9.1         27000311           ECLASS 9.2         27080311           ECLASS 9.3         ECCOTIESS           Coll Test of the collection of		
Cable outlet         straight           Coding         A           Material         PUR           No. of poles         5           Worth across fals         SW13           Depries of protection (ENIEC 60529)         PB68, IF68K, IP67           Sift 2         STripping length (jacket)         20 mm           Family construction form         fee cable end           Commercial data         Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 9.0         27279218           ECLASS 9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.1         27006031           Packaging unit		
Coding         A           Material         PUR           No. of poles         5           With accose flats         SWH3           Degree of protection (ENEC 60528)         1P65, F96K, IP67           Side 2         SWIPpon plorght (acked)           Simpon plorght (acked)         20 mm           Family construction form         free cable end           Commercial data         Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 9.0         27069311		
Material         PUR           No. of poles         5           No. of poles         5           With a poors fits         SW13           Degree of protection (EN IEC 60529)         IPE6, IPS6K, IPS7           Stripping length (jacket)         20 mm           Family construction form         free cable and           Commercial date           ECLASS 5.0         27279218           ECLASS 7.0         27279218           ECLASS 9.0         27090311           ECLASS 9.0         27090311           ECLASS 9.0         27090311           ECLASS 1.1         27090311           ECLASS 1.2.0         27090311           ECLASS 1.1         27090311           ECLASS 1.2.0         27090311           ETIM 5.0         ECCHAST 1.1           ECLASS 1.0         27090311           ECLA		<u>`</u>
No. of poles         5           Winth access fails         SW13           Degree of protection (ENIEC 60529)         IP65, IP68K, IP67           Side 2         Prescription (applity (licket))         20 mm           Family construction form         free cable end           Commercial data           ECLASS -0         27279218           ECLASS -0         27060311           ECLASS -10         27060311           ECLASS -10         27060311           ETM -0         404887975289           Facility of the purple           SERIOR (apple)           Electrical data is Supply           Operating voltage AC max.         125 V           Operating voltage AC (IL-listed)         30 V           Coperating voltage AC (IL-listed)         30 V           Operating voltage DC (IL-listed)         30 V           Coperating voltage		
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Side 2           Stripping length ((sched))         20 mm           Family construction form         fee cable end           Commercial data		SW13
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Family construction form   Free cable end	Side 2	
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27090311           ECLASS-9.0         27090311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         1500185           customs tariff number         85444290           GTIN         4048879753289           Packaging unt         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Properties of the prope	Stripping length (jacket)	20 mm
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27090311           ECLASS-9.0         27090311           ECLASS-10.1         27090311           ECLASS-11.1         27090311           ECLASS-12.0         27090311           ETIM-5.0         EC001855           usatioms tariff number         85444290           GTIN         4048879753289           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating per contact max.         4 A           Diagnostics         Status indication LED         no           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical Action of the protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Mechanical data   Material data           Coating of titting         nickel plated           Locking material         nickele plated           Locking		free cable end
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27090311           ECLASS-9.0         27090311           ECLASS-10.1         27090311           ECLASS-11.1         27090311           ECLASS-12.0         27090311           ETIM-5.0         EC001855           usatioms tariff number         85444290           GTIN         4048879753289           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating per contact max.         4 A           Diagnostics         Status indication LED         no           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical Action of the protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Mechanical data   Material data           Coating of titting         nickel plated           Locking material         nickele plated           Locking	Commercial data	
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ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC014855           customs tariff number         85444290           GTIN         4048879753289           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 Y           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating per contact max.         4 A           Diagnostics           Status indication LED           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         in.5 kV           Mounting in protection   Electrical		
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.2         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048679753289           Packaging unit         1           Electrical data   Supply           Operating voltage DC 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           Operating voltage 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         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I <tr< td=""><td></td><td></td></tr<>		
ECLASS-10.1         27060311           ECLASS-11.2         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404879753289           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC (IU-listed)         30 V           Status indication LED         no           Installation   Connection           Status indication LED           No protection   Electrical           Additional condition protection degree           Polituion Degree         3           Rated surge voltage         1,5 kV     <		
ECLASS-12.0         27060311           ETIM-S.0         EC001885           customs tariff number         85444290           GTIN         4048879753289           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Diagnostics           Status indication LED         no           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         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Zinc		
ECLASS-12.0         27060311           ETIM-S.0         EC001885           customs tariff number         85444290           GTIN         4048879753289           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Diagnostics           Status indication LED         no           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         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Zinc		
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GTIN 4048879753289 Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC 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 inserted, screwed  Pollution Degree 3  Rated surge voltage  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating of fitting nickel plated  Locking material Zinc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Devating temperature min25 °C	ETIM-5.0	EC001855
Packaging unit 1  Electrical data   Supply  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 inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) 1  Mechanical data   Material data  Coating locking nickel plated  Coating locking nickel plated  Locking material Zinc die-casting  Mechanical data   Munting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Devarting temperature min25 °C	customs tariff number	85444290
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Diagnostics  Status indication LED no  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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  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 min25 °C		30 V
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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 1,5 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	Status indication LED	no
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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 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	Stripping length (jacket)	20 mm
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 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	Mounting set	M12 x 1
Pollution Degree 3 Rated surge voltage 1,5 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	Device protection   Electrical	
Rated surge voltage 1,5 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	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	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		1,5 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 min.  -25 °C	Material group (IEC 60664-1)	I
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	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		Nickeled
Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C		·
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C		Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °C	Mechanical data   Mounting data	
Operating temperature min25 °C	Mounting method	inserted, screwed, Shaking protection
	Environmental characteristics   Climatic	
Operating temperature max. 85 °C	Operating temperature min.	-25 °C
	Operating temperature max.	85 °C

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: 2024-06-26



stay connected

Important installation notes	
•	Protect the connectors by suitable measures from mechanical leads, a.g. by the upage of soble ties
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	
wire arrangement	brown, black, blue, white, gray
Cable identification	619
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, gray
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
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	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	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	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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
Bending radius (dynamic)	10 x Outer diameter