

## M12 female 0° A-cod. with cable shielded

PUR 5x0.34 shielded bk UL/CSA+drag ch. 25m

M12, 5-pole Female straight shielded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

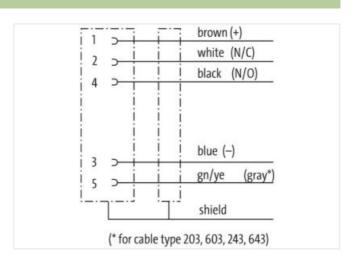
The resistance to aggressive media should be individually tested for your application. Further details on request.

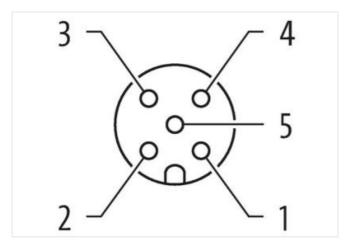
Further cable lengths on request.

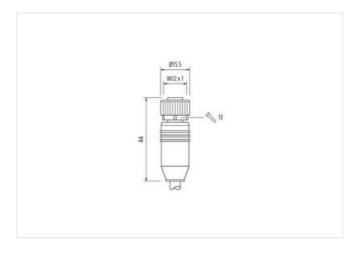
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

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: 2024-05-07



stay connected

Thread ME2 to ME	Mounting method	inserted, screwed
Timed         M12 1           Coding         A           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN ISC 60529)         PSC, FROK, IPO7           Stripping length (jackety)         20 mm           Commercial data           ECLASS 6.0         2779218           ECLASS 9.0         2790211		
Cable Coding         A           Coding         A           Manarial         PUR           With acons flats         SW13           Degree of protection (RUEC 60054)         IP86, P86K, P87           Side 2         SW19           Stripping langth (jackoti)         20 mm           ECLASS-6.0         27278218           ECLASS-7.0         27279218           ECLASS-8.0         27000311           ECLASS-9.0         27000311           ECLASS-1.1         27000311           ECLASS-1.2.0         27000311           ECLASS-1.1         27000311           ETM-9.0         E001855           GTM         4048879483445           Packaging unit         1           ETM-9.0         1           Operating voltage DC max.         60 V           Reside ungenty (lackot) <td< td=""><td></td><td></td></td<>		
Coding         A           Material         PUR           Worth across flats         SW13           Degree of protection (EN IEC 60529)         P95E, IPS6K, IPS7           Stripping length (jacker)         20 mm           Commercial data           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-13.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-10.1         27060311           ECLASS-10.1         60040311           PURS-10           Corbination London         60040000000000000000000000000000000000		
Material         PUR           Width across flats         SW13           Dages of protection (EN EC 00529)         IP85 (PBK (P87)           Side 2         Stripping length (scket)         20 mm           Commercial date         Commercial date           ECLASS 0         2779218         ECLASS 7.0         2779218           ECLASS 9.0         2779218         ECLASS 9.0         27606311           ECLASS 9.1         27006311         ECLASS 1.0         27606311           ECLASS 12.0         27706311         ETM 5.0         ECM 5.0 </td <td></td> <td><del>-</del></td>		<del>-</del>
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Stripping length (jacket)         20 mm           Commercial data           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27000311           ECLASS-1.2         27000311           ECLASS-1.1         27000311           ECLASS-1.2         27000311           ECLASS-1.0         27000311           ECLASS-1.1         27000311           ECLASS-1.2         27000311           ECLASS-1.2         27000311           ECLASS-1.0         4048870483445           Packaging unit         1           Eccasion of University o		
Pegree of protection (EN IEC 60529)		
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Stripping length (jacket)   20 mm		IP65, IP66K, IP67
Commercial data           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27069311           ECLASS-10.1         27069311           ECLASS-11.2         27069311           ECLASS-12.0         27069311           ETM-5.0         ECU01895           customs tariff rumber         85444290           GITN         408879493445           Packaging unit         1           Electrical data i Suppty         V           Perating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (IL-listed)         30 V           Institution Connection         Will activate in the protection of the protecti	Side 2	
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           Louisons traff number         8544290           GTIM         404879483445           Packaging unit         1           Electrical data   Supply           Operatiny voltage AC max.         60 V           Operatiny voltage AC max.         60 V           Operatiny voltage AC (UL-listed)         30 V           Worth operating per content max.         4 A           Bribalation   Connection         M12 x 1           Stripping length (jacket)         20 mm           Mounting pertection   Electrical           Additional conditio	Stripping length (jacket)	20 mm
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27090311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         12060311           ECLASS-12.0         12060311           ECLASS-12.0         12060311           ETIM-5.0         12001855           cuations latiff number         8544220           GTIN         4048879483445           Packaging unit         1           Clearing voltage AC max         60 V           Operating voltage AC max         60 V           Operating voltage AC max         60 V           Operating voltage AC QUL-listed         30 V           Unrent operating per contact max         4           Mounting set         M12 x 1           Gender         Fenale           Device protection   Electrical	Commercial data	
ECLASS-8.0         27279218           ECLASS-9.0         27600311           ECLASS-10.1         27600311           ECLASS-11.1         27600311           ECLASS-12.0         27600311           ECLASS-12.0         27600311           ETIMI-5.0         ECO01855           customs tariff number         85444290           GTIN         404887943445           Packaging mit         1           Electrical data   Suppty           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Rispoin gording flacket)         20 mm           Mounting set         M12 x 1           Gender         female           Political Degree           Reddional condition protection degree         inserted, screwed           Pollticon Degree         3           Retended star         V           Contra for for orrugated flose         without           Mechanical data   Material data </td <td>ECLASS-6.0</td> <td>27279218</td>	ECLASS-6.0	27279218
ECLASS 9.0         27660311           ECLASS 1-0.1         27660311           ECLASS 1-1.1         27060311           ECLASS 1-2.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879483445           Packaging unit         1           Electrical fata   Supply         February           Operating voltage AC max         60 V           Operating voltage AC (UL-lised)         30 V           Operating voltage DC max         60 V           Operating voltage DC (UL-lised)         30 V           Current operating per contact max.         4 A           Installation   Connection         V           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Follution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60684+)         I           Mechanical data   Material data         Wickeled           Coating of fitting         nickel plated           Locki	ECLASS-7.0	27279218
ECLASS-10.1         27060311           ECLASS-11.2         27060311           ETM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879483445           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Installation   Connection         Stripping length (jacket)           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltag	ECLASS-8.0	27279218
ECLASS-11.11         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECD01855           customs tariff number         85444290           GTIN         4048873483445           Packaging unit         1           Electrical data   Supply           Operating vollage AC max.         60 V           Operating vollage AC (UL-listed)         30 V           Operating vollage AC (UL-listed)         30 V           Operating per contact max.         4 A           Installation   Connection           Stripping length (gacket)         20 mm           Mounting set         M12 x 1           Gendor           Peutice protection   Electrical           Additional condition protection degree         Inserted, screwed           Politation Degree         3           Additional condition protection degree         Inserted, screwed           Politation Degree         3           Additional condition protection degree         Inserted, screwed           Politation Engree         3           Action Engree           Politation Engree <t< td=""><td>ECLASS-9.0</td><td>27060311</td></t<>	ECLASS-9.0	27060311
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879483445           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         V           Strippin length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           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         Without           Mechanical data   Material data         Vickeled           Coating locking         Nickeled           Coating locking material         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting <td>ECLASS-10.1</td> <td>27060311</td>	ECLASS-10.1	27060311
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404887483445           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC max.         60 V           Operating voltage DC (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           Gender         female           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data         Violate   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material grow connection         Zinc die-casting	ECLASS-11.1	27060311
customs tariff number 85444290 GTIN 4048879483445 Packaging unit 1 Electrical data   Supply  Operating voltage AC max. 60 V Operating voltage DC max. 60 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 Gender female  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage M12 x 1  Mechanical data  Wechanical 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	ECLASS-12.0	27060311
GTIN 404879483445 Packajng unit 1  Electrical data   Supply  Operating voltage AC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage DC max. 60 V  Operating voltage DC (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  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Gender female  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Mechanical data  Conting locking without  Mechanical data   Material data  Coating of lifting nickel plated  Material screw connection Zinc die-casting  Material screw connection 2 inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Coperating temperature min. 25 °C  Operating temperature man. 85 °C  Additional condition temperature range depending on cable quality	ETIM-5.0	EC001855
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Operating voltage DC max.         60 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           Gender         female           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         Mechanical data   Material data           Conting locking         Nickeled           Coating locking         Nickeled           Coating locking         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 max.         85 °C           Additional condition temperature range         depending on cable	Electrical data   Supply	
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Gender female  Device protection   Electrical   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 1,5 kV   Material group (IEC 60664-1)    Mechanical data   Contour for corrugated hose without   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		M12 x 1
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Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  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		
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose without  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		
Mechanical data   Material data    Coating locking Nickeled    Coating of fitting nickel plated    Locking material    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		۷۸ ن. ا
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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  depending on cable quality		
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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	Coating locking	Nickeled
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	Coating of fitting	nickel plated
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	Locking material	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 depending on cable quality	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  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	
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality		85 °C
		depending on cable quality



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Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	642
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (type)	80 %
Banding	Fleece, Foil
Filler	
	yes
vire arrangement	brown, black, blue, white, green-yellow
Fraversing distance (C-track)	5 m @ 25 °C   horizontal
Cable weigth	57,2 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,6 mm
olerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - acket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
JV resistance	DIN EN ISO 4892-2 A
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
Dil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
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Travel speed (C-track)	5 Mio. @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 30 °/m	
Torsion speed	35 cycles/min	