

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

PUR 4x0.34 shielded gy 5.5m

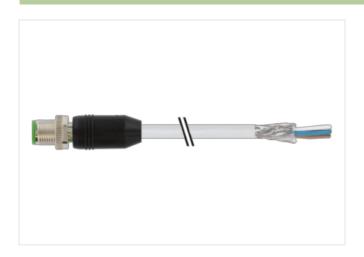
Male straight M12, 4-pole A-coded shielded

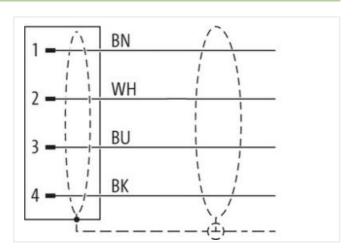
Plastic housings with good resistance against chemicals and oils.

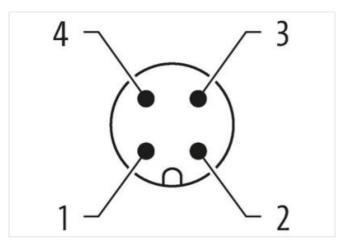
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

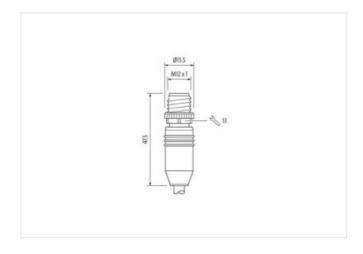
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

5,5 m

Side 1

Tightening torque

0,6 Nm

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Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-21



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Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Sityping length (jacket)         20 mm           Coating contact         gold plated           Commercial date           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 9.1.1         27060311           ECLASS 9.2         27060311           ECLASS 9.2         27060311           ECLASS 9.0         ECO01855           Countsoms tariff number         85444290           GTIM 9.0         4048879820479           Packaging unit         1	Mounting method	inserted, screwed
Family construction from         M12           Threaded         M12 x 1           Coding         A           Material context         Coper alloy           Material         PUR           No. of poles         4           With an arms statis         SW13           Degree of protection (EN IEC 60529)         IPES, IPEBK, IPEF           Side 2         WITH ADMINISTRATION (EN INCEPT)           Side 3         WITH ADMINISTRATION (EN INCEPT)           Commercial data         Degree of protection (EN IEC 60529)         270 mm           Collary Control         200 mm         200 mm           Collary Control         270 mm         200 mm           Collary Control         270 mm         200 mm           Collary Control         270 mm         270 mm           Collary Control         270 mm         270 mm           COLASS -0         270 mm         270 mm           COLASS -1.1         270 mm         270 mm           COLASS -1.1         270 mm         270 mm           COLASS -1.1         270 mm         270 mm           COLASS -1.2         270 mm         270 mm           COLASS -1.2         270 mm         270 mm           COLASS -1.2		<u>:</u>
Tread         M2 x 1           Coding         A           Malarial contact         Cooper alloy           Malarial         PUR           No. of polise         4           With across flats         SW13           Degree of protection (IN IEC 60529)         1P55, IP66K, IP67           Side 2           Stroppin gength (jacket)         20 mm           Conting contact         gold plated           Contact across a		
Coding         A           Material contact         Copper alloy           Material contact         Copper alloy           No. of poles         4           Widh across stats         SWI3           Degree of protection (EN IEC 60589)         IP65, IP66K, IP67           Side 2         SIDE COMMENTAL STATE		
Material command         Copper alloy           Material (Most of Most of Material (Most of Most of Most of Material (Most of Most o		
Material         PUR           No. of poles         4           Winth across fats         SW13           Degree of protection (EN EC 60529)         PBS, IP6K, IP67           Stripping length (jacket)         20 mm           Coating contact         god plated           Commercial date         Commercial date           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-1.1         27000311           ECLASS-1.2         27000311           ECLASS-1.2         27000311           ECLASS-1.1         27000311           ECLASS-1.2         27000311           ECLASS-1.2         27000311           ECLASS-1.2         27000311           ETIM-5.0         ECO01855           Customation fault number         8444290           GTIN         4048879820479           Packagang unit         1           Electrical data Supply         60 V           Operating voltage AC max.         60 V           Coperating voltage Of max.         60 V           Correction (Exectical		
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Width across flats         SW13           Dagree of protection (ENIEC 60529)         PPS, IP6K, IP97           Side 2         Stripping length (jackot)         20 mm           Coating contact         gold plated           Commercial date           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ETM-5.0         EC018S5           Cuclomating million mobile         85444290           GTIN         404897820479           Packaging wint         1           Poperating voltage AC max.         60 V           Operating solitage AC max.         60 V           Operating topin (jacket)         An A <td></td> <td></td>		
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Sibe 2           Stripping length (lacket)         20 mm           Counting contact         gold plated           Commercial date         27279218           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27690311           ECLASS 9.0         27660311           ECLASS 9.1.1         27060311           ECLASS 9.2         27660311           ECLASS 9.0         2766031	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Conting contact         gold pileted           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27760811           ECLASS-9.0         27060811           ECLASS-10.1         27060911           ECLASS-12.0         27060911           Electrical data   Suppty         27060911           Operating length quoting or contact max.         40           Description or contact max.         40 <t< td=""><td>Side 2</td><td></td></t<>	Side 2	
Conting contact         gold pileted           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27760811           ECLASS-9.0         27060811           ECLASS-10.1         27060911           ECLASS-12.0         27060911           Electrical data   Suppty         27060911           Operating length quoting or contact max.         40           Description or contact max.         40 <t< td=""><td>Stripping length (jacket)</td><td>20 mm</td></t<>	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-9.1.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff unriber         85444290           GTIN         4048879820479           Packaging unit         1           Electrical data   Supply         University operating voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating uporating per contact max.         4 A           Diagnostics           Status indication LED         no           Institution (Connection           Stripping length (jacket)         20 mm           Multiput (jacket)         20 mm           Additional condition protection degree         3 s           Polition Degree         3 s           Rated surge voltage         1,5 kV           Machanical data   Mounting data <t< td=""><td></td><td>27270210</td></t<>		27270210
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         4048879820479           Packaging unit         1           Electrical data   Supply         V           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating oper contact max.         4 A           Diagnostics         Status indication LED           Stitus indication   Connection         V           Stitus indication   Electrical         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Encilonedical material data           Coating locking         Nickeled           Coating of fitting         nickel		
ECLASS 8.0         27279218           ECLASS 9.0         27660311           ECLASS 10.1         27660311           ECLASS 11.1         27660311           ECLASS 12.0         27660311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879820479           Packaging unit         1           Electrical data   Supply         February           Operating voltage AC max.         60 V           Operating voltage DC max.         60 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         3           Rated surge voltage         1,5 kV           Material sorge voltage         1,5 kV           Material group (Ec 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated </td <td></td> <td></td>		
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879820479           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         no           Installation   Connection         0           Status indication LED         no           Installation   Connection         Mix 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (teC 60684+1)         1           Mechanical data   Material data         Vickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material		
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048679820479           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 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           Additional protection degree           Politation Degree         3           Act and a Material data           Coating (leC 60664-1)         1           Mechanical data [Material data           Coating olicing         Nickeled           Coating olicing         Nickeled		
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879820479           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage PC max.         60 V           Operating port contact max.         4 A           Diagnostics         Status indication LED           Status indication   Connection         Installation   Connection           Stripping length (facket)         20 mm           Mounting set         M12 x 1           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)         I           Mechanical data   Material data         Coating of fitting           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserte		
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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  Operating temperature max. 85 °C	Operating voltage DC max.	60 V
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 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	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 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  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	Diagnostics	
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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  Operating temperature max. 85 °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  Operating temperature max. 85 °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  Operating temperature max. 85 °C	Device protection   Electrical	
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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  Operating temperature max. 85 °C		<u>:</u>
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.		
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		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  Operating temperature max. 85 °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  Operating temperature max.  85 °C	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	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	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Mechanical data   Mounting data	
Operating temperature min25 °C Operating temperature max. 85 °C	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C	Environmental characteristics   Climati	C
	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality

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: 2024-06-21



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mportant installation notes	Important installation notes		
ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.		
ote on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
Conformity			
roduct standard	DIN EN 61076-2-101 (M12)		
nstallation   Cable			
·	have blad blackby		
ire arrangement	brown, black, blue, white		
able identification	331		
acket Color	gray		
mount stranding	1		
tranding	4 wires twisted		
anding · · · · · · · · · · · · · · · · · · ·	Fleece, Foil		
ire arrangement	brown, black, blue, white		
laterial jacket	PUR		
hore hardness jacket	85 ± 5 Shore A		
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free		
uter-diameter (jacket)	5,9 mm		
olerance outer diameter (sheath)	±5%		
laterial inner jacket	PVC		
olor (inner jacket)	gray		
laterial wire insulation	PVC		
mount wires	4		
uter diameter insulation	1,4 mm		
uter diameter tolerance core insulation	± 5 %		
hore hardness wire insulation	85 ± 5 Shore A		
gredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free		
mount strands (wire)	42		
iameter of single wires	0,1 mm		
onductor crosssection (wire)	0,34 mm²		
laterial conductor wire	Stranded copper wire, bare		
onductor type (wire)	strand class 6		
lax. rated voltage (conductor - conductor)	350 V		
lax. rated voltage (conductor - ground)	300 V		
urrent load capacity (standard)	to DIN VDE 0298-4		
urrent load capacity min. wire	4,8 A		
lectrical resistance line constant wire	57 Ω/km @ 20 °C		
C withstand voltage (wire - wire)	2 kV @ 60 s		
ower frequency withstand voltage (wire -	2 kV @ 60 s		
C withstand voltage (wire - shield)	1,5 kV @ 60 s		
lin. operating temperature (static)	-30 °C		
ax. operating temperature (fixed)	80 °C		
perating temperature min. (dynamic)	-5 ℃		
perating temperature max. (dynamic)	70 °C		
ame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090		
nemical resistance	Good, application-related testing		
asoline resistance	Good, application-related testing		
il resistance	Good, application-related testing   DIN EN 60811-404		
ending radius (installation)	x Outer diameter		
ending radius (fixed)	10 x Outer diameter		
ending radius (dynamic)	15 x Outer diameter		
o. of bending cycles (C-track)	0,1 Mio. @ 25 °C		
raversing distance (C-track)	5 m @ 25 °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: 2024-06-21



Travel speed (C-track)

3 m/s @ 25 °C