

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

PUR 5x0.34 shielded bk UL/CSA+drag ch. 11m

Male straight M12, 5-pole shielded

with cable sleeves

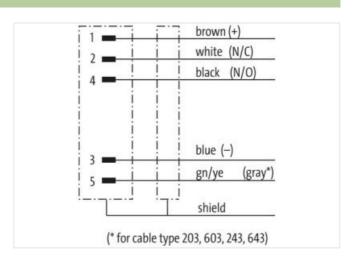
Plastic housings with good resistance against chemicals and oils.

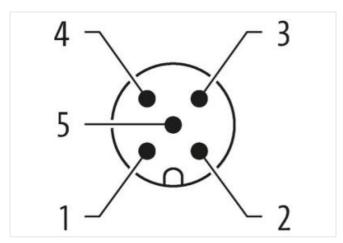
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

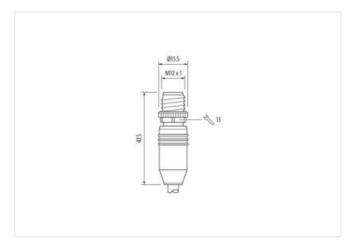
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

11 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: 2024-05-12



stay connected

Coeffing contend         gold plated           Finite construction form         M12 x 1           Coding         A           Metheral Contact         Copper alloy           Material         PUR           No. of polos         S           Width across fals         SW13           Degree of protection (EN IEC 00529)         P65, P66K, IP67           Side 2         Stripping engith (Jacket)           Conting content         gold pated           Conting content         Conting content           Conting content         20 mm           Conting content         Conting content           Conting content         20 mm           Conting content         Conting content           Conting content         20 mm           Collapse 70         27279218           Collapse 70         27279218           Collapse 71         27060311           Collapse 71         27060311           Collapse 71         27060311           Coll	Mounting mathed	incontrol covering
Family construction from M12 model of M13 mo	Mounting method	inserted, screwed
Majorial		
Coding         A           Milaterial contact         Copper alloy           Maniferial         PUR           No. of poles         5           Width across fats         SWI3           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         SWI3           Singping length (jacket)         20 mm           Conting contact         gold plated           Commercial date         Commercial date           ECLASS-70         2779918           ECLASS-70         2779918           ECLASS-70         2779918           ECLASS-10         27769311           ECLASS-11         27069311           ECLASS-12         27069311           ECLASS-11         27069311           ECLASS-120         27069311           ECLASS-120         27069311           ECLASS-120         27069311           ECLASS-120         27069311           ECLASS-120         27069311           Packaging unit         1           ***Iberitarial data Suppty           Operating voltage AC max.         60 V           Opperating voltage AC max.         60 V           Opperating voltage AC max.         60 V		
Material contact         Copper alloy           Material Milerial         PUR           Monotopies         5           Width across flats         SW13           Outgree of protection (EN IEC 68529)         IPSS, IP66K, IP67           Side 2           Siripping length (jacket)         20 mm           Contage contact         glob plated           Contage contact		
Material         PUR           No. of poles         5           Witth across fata         SW13           Degree of protection (EN IEC 60529)         IP56, IP66K, IP67           Side 2         Stripping length (jacket)         20 mm           Conting contact         gold plated           Commercial data         Commercial data           EGLASS-R.0         27279218           EGLASS-R.0         27279218           EGLASS-R.0         27279218           EGLASS-R.0         27060311           EGLASS-R.0         27060311           EGLASS-R.1         27060311           EGLASS-R.1         27060311           EGLASS-R.1         27060311           EGLASS-R.0         27060311           EGLASS-R.0         27060311           EGLASS-R.1         27060311           EGLASS-R.1         27060311           EGLASS-R.0         8544220           OTIN         4048879526736           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage PC max.         60 V           Operating voltage PC max.         60 V           Operating voltage pc orbital		
No. of poles         5           Width across fields         SW13           Side 2         Sileping for protection (EN IEC 60569)           Sileping longh (jackut)         20 mm           Commercial data           ECLASS-6.0         2279218           ECLASS-7.0         2779218           ECLASS-8.0         2779218           ECLASS-9.0         2779218           ECLASS-10.1         27090311           ECLASS-11.1         27090311           ECLASS-12.0         27090311           ECLASS-12.0         27090311           ECLASS-10.1         ECCASS-12.0         27090311           ECLASS-10.1         27090311		
Width access flats         SW13           Degree of protection (EN IEC 60529)         P65, IP66K, IP67           Side 2         Strepping length (jacket)         20 mm           Coating contact         gold plated           ECILASS 6.0         27279218           ECILASS 7.0         27279218           ECILASS 8.0         27279218           ECILASS 9.0         27060311           ECILASS 9.1         27060311           ECILASS 1.1         27060311           ECILASS 1.2.0         27060311           ECILASS 1.2.0         27060311           ECILASS 1.2.1         27060311           ECILASS 1.2.0         27060311           ECILASS 1.2.0         27060311           ECILASS 1.2.1         27060311           ECILASS 1.2.1         27060311           ECILASS 1.2.1         27060311           ECILASS 1.2.1         27060311           ECILASS 1.2.2         27060311           ECILASS 1.2.3         27060311           ECILASS 1.2.1         27060311           ECILASS 1.2.2         27060311           ECILASS 1.2.2         27060311           ECILASS 1.2.2         27060311           ECILASS 1.2.2         27060311		
Degree of protection (EN IEC 60523)         IP65, IP66K, IP67           Side 2           Stripping length (jacker)         20 mm           Coating contact         gold plated           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 9.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 9.1.1         27060311           ECLASS 9.2.0         27060311           ECLASS 9.3.1         27060311           ECLASS 9.3.1         27060311           ECLASS 9.4.0         27060311           ECLASS 9.1.1         27060311           ECLASS 9.2.0         27060311           ECLASS 9.2.0         27060311           ECLASS 9.3.1         4706031           ECLASS 9.3.1         4706031           ECLASS 9.4.0         4706031           ECLASS 9.5.1         4706031           Device Protein of College Policial Policial Policial Policial Policial		
Side 2           Stripping length (lacked)         20 mm           Coating contact         gold plated           Commercial date         ECLASS-6.0         27279218           ECLASS-7.0         27279218         20 mm           ECLASS-9.0         27279218         20 mm           ECLASS-9.0         27269311         20 mm           ECLASS-10.1         27060311         20 mm           ECLASS-11.1         27060311         20 mm           ECLASS-12.0         20 mm         40 48879525756           Electrical data   Supply         40 48879525756           Electrical data   Supply         40 40           Operating voltage AC (Tuk. Isido)         30 V           Operating voltage AC (Tuk. Isido)         30 V           Operating voltage AC (Tuk. Isido)         30 V           Distribition   Cornection         Mil 2 x 1 <th< td=""><td></td><td></td></th<>		
Stripping length (jacket)         20 mm           Coating contact         gold plated           Commercial data         Commercial description           ECLASS-0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         2707031           Operating voltage AC max.         60 V <tr< td=""><td>Degree of protection (EN IEC 60529)</td><td>IP65, IP66K, IP67</td></tr<>	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Coating contact         gold plated           Commercial data           ECLASS-0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.2         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           coustoms furif number         85444290           GTIN         4048879525756           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (UL listed)         30 V           Operating voltage AC (UL listed)         30 V           Operating voltage AC (UL listed)         30 V           Outer operating per contact max.         4 A           Installation   Connection         Stripping length (lacke)         20 mm           Mounting set         M12 x 1         1           Device protection   Electrical         Actional condition protection degree         inserted, screwed           Pollution Degree         3         Rade days voltage         1,5 kV           Mechanical data   Material data         Mickeiled	Side 2	
Commercial data           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27090311           ECLASS-9.0         27090311           ECLASS-11.1         27090311           ECLASS-12.0         27090311           ECLASS-12.0         27090311           ECLASS-17.0         ECOMBS5           customs tarlff number         85444290           GTIN         4048879525756           Packaging unt         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Status indication LED         no           Installation I Cometion         No           Morting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         insert	Stripping length (jacket)	20 mm
ECLASS-6.0         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           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879525756           Packaging unit         1           Electrical data   Supply         ************************************	Coating contact	gold plated
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27090311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           oustoms tariff number         85444290           GTIN         404887525756           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (IU-listed)         30 V           Status indication LED         no           Installation   Connection         M12 x           Stitute indication LED         N12 x           Device protection   Electrical         Additional condit	Commercial data	
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27090311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           oustoms tariff number         85444290           GTIN         404887525756           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (IU-listed)         30 V           Status indication LED         no           Installation   Connection         M12 x           Stitute indication LED         N12 x           Device protection   Electrical         Additional condit	ECLASS-6 0	27270218
ECLASS-8.0         27279218           ECLASS-9.0         27669311           ECLASS-9.1         27069311           ECLASS-11.1         27069311           ECLASS-12.0         27069311           ECLASS-12.0         12001855           customs tariff number         85444280           GTIN         4048879525756           Packaging unt         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC QUL-listed.         30 V           Ournet operating per contact max.         4 A           Diagnostics         Status indication LED           Stitus indication LED         no           Installation   Connection         Mix 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage		
ECLASS 9.0         27060311           ECLASS 10.1         27060311           ECLASS 11.1         27060311           ECLASS 12.0         27060311           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048379525756           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           Operating voltage DC max.         60 V           Operating voltage DC max.         4 A           Uperating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Status indication LED         no           Installation   Connection         V           Stitus indication LED         no           Installation   Connection         Mi2 x           Locking lengthi (jacket)		
ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETM-5.0         EC001855           custons tariff number         85444290           GTIN         404887952756           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           Operating portage DC (UL-listed)         30 V           Operating per contact max.         4 A           Diagnostics           Stratus indication LED         no           Installation   Connection           Stratus indication tetted           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 (EC 60664-1)         1           Mechanical data   Material data		
ECLASS-1.1.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         4048879525756           Packaging unit         1           Electrical data   Supply         Uperating voltage AC max.           Operating voltage AC (max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         no           Installation   Connection         Mit x 1           Device protection   Electrical         Mit x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Meterial group (IEC 60684-1)         1           Mechanical data         Without           Mechanical data   Material data         Vickeled           Contiour for corrugated hose         without           Mechanical data   Material data         Zinc die-casting           Mechanical data   Mounting data <t< td=""><td></td><td></td></t<>		
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879525756           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics         V           Status indication LED         no           Installation   Connection         V           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data         Without           Mechanical data   Material data         Vickeled           Coating locking         Nickeled           Coating of litting         nickel plated           Locking material         Zinc die-casting		
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customs tariff number         85444290           GTIN         4048879525756           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current 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         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material serve vonnection         Zinc die-casting           Mechanical data   Mounting data           Mounting me		
GTIN         4048879525756           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           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           Diagnostics         User a contact max.         4 A           Status indication LED         no           Installation   Connection         User a contact max.         4 A           Mounting set         M12 x 1         M12 x 1           Device protection   Electrical         M2 x 1         M2 x 1           Additional condition protection degree         inserted, screwed         M2 x 1           Pollution Degree         3         Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I         M2 x 1           Mechanical data         Wechanical data   Material data         M3 x 2 x 1           Contour for corrugated hose         without         Wickled           Coating of lifting         nickel plated         Coating of lifting         nickel plated           Locking material         Zinc die-casting           Me		
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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 6064-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Size w connection inserted, screwed, Shaking protection inserted, screwed, Shaking protection inserted, screwed, Shaking protection inserted, screwed, Shaking protection	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  Contour for corrugated hose without  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	Diagnostics	
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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  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Locking material  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		
Additional condition protection degree inserted, screwed  Pollution Degree 3  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		MIZXI
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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	Additional condition protection degree	inserted, screwed
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 Contour for corrugated hose without  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Pollution Degree	
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	Rated surge voltage	1,5 kV
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	Material group (IEC 60664-1)	I
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Locking material  Material screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method  inserted, screwed, Shaking protection	Coating of fitting	nickel plated
Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Locking material	· · · · · · · · · · · · · · · · · · ·
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Material screw connection	
Mounting method inserted, screwed, Shaking protection	Mechanical data   Mounting data	
Environmental characteristics   Climatic	Mounting method	inserted, screwed, Shaking protection
	Environmental characteristics   Climatic	

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: 2024-05-12



stay connected

Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
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	643
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 (coverage)	80 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	brown, black, blue, white, gray
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
Tolerance 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
naredient 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 (standard)	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 -	<del>-</del>
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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing

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: 2024-05-12



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
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min