

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

PVC 5x0.34 shielded bk UL/CSA 35m

M12, 5-pole Female straight shielded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

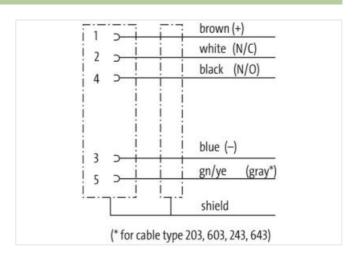
The resistance to aggressive media should be individually tested for your application. Further details on request.

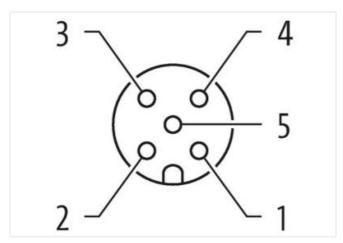
Further cable lengths on request.

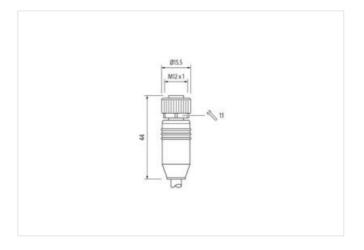
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

35 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: 2024-05-06



stay connected

Family construction form	Mounting method	inserted, screwed	
Tread         MEX 1           Cable outlet         atraight           Cable outlet         atraight           Cable outlet         atraight           Coding         A           Material         PUR           With across flats         SW13           Degree of prosection (EN ISC 00529)         PSE, PSEK, IPG7           Side 2           SIN-poing length (jacket)         20 mm           Commercial data           ECLASS-8.0         2279218           ECLASS-8.0         2779218           ECLASS-9.0         27902011           ECLASS-9.0         27002011           ECLASS		· · · · · · · · · · · · · · · · · · ·	
Cable outlet         straight           Coding         A           Matarial         PUR           Matarial         PUR           Obegree of protein (FLE 60569)         IP86, PB6K (FB7)           Slobe 2         PUR           Stripping largh (jacket)         20 mm           Commercial date         PUR           ECLASS-8.0         27278218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ETIM-9.0         EXMEDIA (SMR)           OTIN         494697380645           PORCAIGN unit         49479380645           PORCAIGN unit         90 V           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (CU-lated)         30 V           Operating voltage AC (CU-lated)         30 V           Operating voltage AC (CU-lated)         30 V           Operating voltage AC (CU-lated)			
Coding         A           Malarianal         PUR           Malarianal         PUR           Worth across flats         SW13           Degree of protection (EN IEC 60529)         IPSE, IPSEK, IPS7           Stripping length (acket)         20 mm           Commercial data           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27080311           ECLASS 10.1         27090311           ECLASS 11.1         27090311           ECLASS 12.0         27000311           ECLASS 12.			
Meterial         PUR           With across flats         SW13           Degree of proction (ENEC 00529)         IP65, IP66K, IP67           Side 2         Sirpign (glocket)         20 mm           Commorcial data           ECLASS-6.0         2779218           ECLASS-7.0         2779218         20           ECLASS-8.0         2779218         20           ECLASS-9.0         2700311         20           ECLASS-9.1         2700311         20           ECLASS-1.1         2700311         20           ECLASS-1.2.0         200311         20           ECLASS-1.2.0         20         20           ECLASS-1.2.0         20         20           ECLASS-1.2.0         40487988645         20           Packaging with         1         4           Electrical data i Suppi         40         40           Coperating voltage AC max.		<del>-</del>	
With across field         SW13           Degree of protection (EN IEC 60529)         IPS6, IP66K, IP67           Side 2         Stripping length (lacker)         20 mm           Commercial data           ECLASS 6.0         2.2739218           ECLASS-7.0         2.2739218           ECLASS-8.0         2.27739218           ECLASS-9.0         2.7060311           ECLASS-9.1         2.7060311           ECLASS-10.1         2.7060311           ECLASS-12.0         2.7060311           ECLASS-12.0         2.7060311           ECLASS-12.0         2.7060311           ETIM-5.0         E.001855           ECLASS-12.0         2.7060311           ETIM-5.0         E.001855           Cartification under Medical Management of the Collection of Cartification under Medical Supply           Ecclasign und Medical Supply           Capariting voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-sleed)         30 V           Operating voltage DC (UL-sleed)         30 V           Operating long voltage DC (UL-sleed)         30 V <th colspan<="" td=""><td></td><td></td></th>	<td></td> <td></td>		
Degree of protection (EN IEC 60828)         IP65, IP68/F, IP67           Side 2         Side 2           Side 2         Side 3           Simplory (explication)         20 mm           Commercial data         Commercial data           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27069311           ECLASS-1.1         27069311           ECLASS-1.2         2008311           ECLASS-1.2.0         2008311           ETIM-5.0         EC001955           Gualonis staff number         8444280           GTIN         40487988645           Packaging unit         4           Electrical data   Supply           Operating voltage AC max.         60 V			
Side 2           Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27260311           ECLASS 9.0         27060311           ECLASS 9.1         27060311           ECLASS 9.1.1         27060311           ECLASS 9.1.2         27060311           ECLASS 9.2         27060311           ECLASS 9.3         27060311           ECLASS 9.4         27060311           ECLASS 9.1.1         27060311           ECLASS 9.2         27060311           ECLASS 9.2         27060311           ECLASS 9.3         27060311           ECLASS 9.4         27060311           ECLASS 9.5         27060311           ECLASS 9.6         27060311           ECLASS 9.7         27060311           ECLASS 9.7         27060311           ECLASS 9.8         2805           Packaging unit         1           Electrical data   Supply         20           Operating voltage DC max         60 V           Operating voltage DC max         60 V           Operating party (packet)         20 mm			
Stripping length (jacket)   20 mm		1P65, 1P66K, 1P67	
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ETLASS-1.2.0         27060311           EVELOPLICASS-1.2.0         30.0           Operating ovoltage AC (IU-Island)         30.0           Operating ovoltage AC (IU-Island)         30.0           Operating ovoltage AC (IU-Island)         30.0	Side 2		
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           Locustoms tariff number         8544280           GTIN         404887988545           Packaging unit         1           Electrical data   Suppty           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Portaging voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Stripping length (jacket)           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Additional condition protection legree         Inserted, screwed           Pollution Degree         1,5 kV           Material grup (IEC 6064-1)         I           Mechanical data   Material data         Mickeled	Stripping length (jacket)	20 mm	
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 staff number         85444290           GTIN         404879885645           Packaging unt         1           Electrical data   Suply           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           Institution   Connection         Stripping length (jacket)           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Device protection   Electrical           Additional condition protection degree         3           Rate stay group (IEC 80684-1)         1           Machanical data   Material group (IEC 80684-1)         1           Contage folking         Nickeled           Coating folking         nickele plated           Coating folking <t< td=""><td>Commercial data</td><td></td></t<>	Commercial data		
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ECLASS 9.0         27060311           ECLASS 9.0.1         27060311           ECLASS 9.0         27060311           ECLASS 9.2.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879885645           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC max.         60 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         30 V           Current operating per contact max.         4 A           Mounting set         M12 x 1           Gender         female           Device protection   Electrical           Additional condition protection degree         3           Rated surge voltage         1,5 kV           Material group   Eco664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking material         Zinc die-casting           Mecha	ECLASS-7.0	27279218	
ECLASS-10.1         27060311           ECLASS-11.2         27060311           ETIM-5.0         ECO01855           customs tarilf number         85444290           GTIN         4048878885645           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         V           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 (EC 60684-1)         1           Nechanical data         Mickeled           Conting of corrupated hose         without           <	ECLASS-8.0	27279218	
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ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff rumber         85444290           GTIN         4048879885645           Packaging unit         1           Electrical data   Supply         0           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         30 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 60684-1)         I           Mechanical data         Without           Mechanical data   Material data         Zinc die-casting           Mechanical data   Material data         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection <td< td=""><td>ECLASS-10.1</td><td>27060311</td></td<>	ECLASS-10.1	27060311	
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879885645           Packaging unit         1           Electrical data   Supply         V           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           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           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 66664-1)         1           Mechanical data         Vidual           Control for corrugated hose         without           Mechanical data   Material data         Zinc die-casting           Material grow (recomposition)         Zinc die-casting           Meterial serve connection         Zinc die-casting           Meterial data	ECLASS-11.1	27060311	
customs tariff number         85444290           GTIN         4048879885645           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)           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Politation Degree         3           Additional condition protection degree         inserted, screwed           Politation Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data         Without           Mechanical data   Material data         Without           Contury for corrugated hose         without           Mechanical data   Material data         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting	ECLASS-12.0	27060311	
GTIN         4048879885645           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         V           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Powice 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         Mickeled           Coating of lifting         nickeled           Coating of lifting         nickele plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           E	ETIM-5.0	EC001855	
Packaging unit         1           Electrical data   Supply           Operating voltage AC 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         University (Included)           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Poliution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Rechanical data         Without           Mechanical data   Material data         Without           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Vinc die-casting           Mounting method         inserted, scr	customs tariff number	85444290	
Petertical data   Supply	GTIN	4048879885645	
Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage AC (LL-listed)         30 V           Operating voltage DC (LL-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           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data           Controur for corrugated hose         without           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic	Packaging unit	1	
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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  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Locking material  Mechanical data   Mounting data  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	Stripping length (jacket)	20 mm	
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  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			
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  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality			
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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  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality			
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Material group (IEC 60664-1)  Mechanical data  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			
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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 min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality			
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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		
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  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.  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	



stay connected

	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	
Cable identification	602
Cable Type	1
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, green-yellow
Cable weigth	68,2 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)	5,6 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
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing