

## M12 female 0° A-cod. with cable

PVC 4x0.34 bk UL/CSA 7.5m

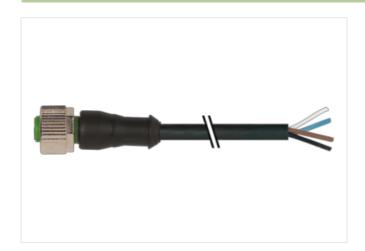
Female straight M12, 4-pole with cable sleeves

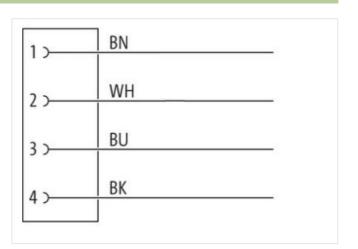
Plastic housings with good resistance against chemicals and oils.

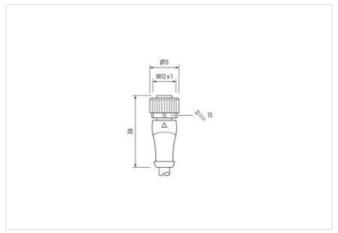
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

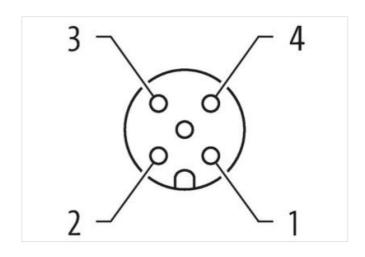
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

7,5 m

Side 1

Tightening torque

0,6 Nm



stay connected

Commercial data         ECLASS-6.0       27279218         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       EC001855         customs tariff number       85444290         GTIN       4048879212342	Mounting method	inserted, screwed
Suable for corrupated tube (internal 0)         10 mm           Coding         A           Maileriand         PUR           Width across filests         SW13           Commercial data         PDR, 1988, IP67           Commercial data           ECLASS-6.0           2779218           ECLASS-7.0         2779218           ECLASS-8.0         27790311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-10.3         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-10.3         27060311           ECLASS-10.4         27060311           ECLASS-10.8         250.0           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-10.8         27070311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27070311           ECLASS-10.1         2707060311           Evertain Stall (Incommental Colleged of Colleged o	Family construction form	M12
Cading         A           Motheral         PUR           Width across fats         SWI3           Degree of protection (EN IEC 60529)         IPSE, IP66K, IP67           Commercial data         Frame of the Commercial Control (EN IEC 60529)         IPSE, IP66K, IP67           ECLASS-6.0         27279218         Control (EN IEC 60529)         Control (EN IEC 60529)           ECLASS-7.0         27279218         Control (EN IEC 60529)         Control (EN IEC 60529)           ECLASS-9.0         27080311         Control (EN IEC 60521)         Control (EN IEC 60521)           ECLASS-10.1         27080311         Control (EN IEC 6052)         Control (EN IEC 6052)           ECLASS-10.0         27080311         Control (EN IEC 6052)         Control (EN IEC 6052)           ECLASS-10.1         27080311         Control (EN IEC 6052)         Control (EN IEC 6052)           ECLASS-10.0         27080311         Control (EN IEC 6052)         Contro	Thread	M12 x 1
Mettorial         PUR           Width across flats         SW13           Degree of procesion (SN IEC 60529)         IP85, IP66K, IP67           Commercial data         PECLASS 8.0         27279218           ECLASS 7.0         27279218         PECLASS 8.0         27279218           ECLASS 8.0         27279218         PECLASS 9.0         PECLASS 9.0           ECLASS 9.0         27080311         PECLASS 9.0         PECLASS 9.0           ECLASS 9.1         27080311         PECLASS 9.0         PECLASS 9.0           ECLASS 9.2         27080311         PECLASS 9.0         PECLASS 9.0           ECLASS 9.1         27080311         PECLASS 9.0         PECLASS 9.0           ETIM 5.0         EC001855         PECLASS 9.0         PECLASS 9.0           GTIN         4948721242         PECLASS 9.0         PECLASS 9.0           FEMALUS 90 (VII)         PECALGORIS 90 (VII)         P	suitable for corrugated tube (internal Ø)	10 mm
With across fiats         SW13           Dagree of protection (EN IEC 90529)         IPSE, IPG6K, IPG7           Commercial date         FECLASS 6.0         27279218           ECLASS 7.0         27279218         27279218           ECLASS 9.0         27279218         27279218           ECLASS 9.0         27279218         27069311           ECLASS 9.0         27069311         27069311           ECLASS 11.1         27069311         27069311           ECLASS 12.0         27009311         2717921           ECLASS 12.0         27009311         2707931           ECLASS 12.0         27009311         2717921           ECLASS 12.0         27009311         2707931           ECLASS 12.0         27009311         2717921           ECLASS 12.0         27000311         2717921           ECLASS 12.0         27000031	Coding	A
Degree of protection (EN IEC 66529)	Material	PUR
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         22779218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         22060311           ETIM-5.0         EC001855           customs tariff rumber         85444290           GTIN         404879212342           Packaging unt         1           Electrical data I Suphy         February           Operating voltage AC max.         250 V           Operating voltage AC (U.L-listed)         30 V           Operating voltage DC max.         250 V           Operating voltage AC (U.L-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical           Additional condition protection degree           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (EC 60664-1)         1           Ecchange lothing         Nickeled           Coating lothing         Nickeled lotal surface           Coating lothing         Nickeled lot	Width across flats	SW13
ECLASS 6.0         27278218           ECLASS 7.0         27279218           ECLASS 9.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0.1         27060311           ECLASS 9.1.1         27060311           ECLASS 9.0         2707031           ECLASS 9.0         2707031           ECLASS 9.0         2707031           Peratural or March 19.0         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Device protection   Electrical <td< td=""><td>Degree of protection (EN IEC 60529)</td><td>IP65, IP66K, IP67</td></td<>	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS 9.0         27278218           ECLASS 9.0         27780311           ECLASS 9.0.1         27060311           ECLASS 9.0.1         27060311           ECLASS 1.1         27060311           ECLASS 1.2.0         27060311           ECLASS 1.2.0         27060311           ETIMS 0.         ECO01855           Outsions farff number         8544290           GTIN         4048879212342           Packaging unit         1           Electrical data Supply         Electrical data Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listod)         30 V           Additional condition protection degree         3           Ratio as use voltage         2.5 kV           Material group (UEC 60664-1)         1           Material protection (Electrical Actain Mate	Commercial data	
ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO1985           oustoms tarff rumber         85444290           GTIN         4048879212342           Packaging unit         1           Electrical data   Supply         ************************************	ECLASS-6.0	27279218
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001985           Customs farff number         8544290           GTIN         4048879212342           Packaging unit         1           Electrical data [Suppty         Electrical data [Suppty           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating the protection less that X 1         1           Buttacl State (UL-listed)         30 V	ECLASS-7.0	27279218
ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879212342           Packaging unt         1           Electrical data   Supply         Ferral data   Supply           Operating voltage AC max         250 V           Operating voltage AC (uL-isladd)         30 V           Operating voltage AC (uL-isladd)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 1           Mounting set         M12 1           Device protection   Electrical         Insarted, screwed           Pollution Degree         3           Rated surge voltage         2.5 kV           Material group (IEC 60684-1)         1           Mechanical data   Material data         2.5 kV           Coating boding material         Nickeled           Coating boding material         Zince de-casting           Material screw connection         Nickeled           Coating boding material         Zince de-casting           Methoralical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristic   Climatic	ECLASS-8.0	27279218
ECLASS-1.1.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         4048879212342           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating toward part contact max.         4 A           Installation   Contention         Mountaing set and A           Meurity (Contention)         Mountaing set and A           Pollution Degree         3           Retail surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Pollution Degree         Nickeled	ECLASS-9.0	27060311
ECIASS-12-0   27060311   ECIMS-5   EC001855   EC00185	ECLASS-10.1	27060311
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879212342           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC QUL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC QUL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         Additional condition protection of perce inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 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 screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics	ECLASS-11.1	27060311
customs tariff number 85444290 GTIN 4048879212342 Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V Operating voltage AC (LL-listed) 30 V Operating voltage DC max. 250 V Operating voltage DC (LL-listed) 30 V Operating voltage Voltage Voltage Visite Vis	ECLASS-12.0	27060311
GTIN 4048879212342 Packaging unit 1 Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage AC max. 250 V  Operating voltage AC (UL-listed) 30 V  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material date  Coating locking material  Coating locking material  Airc die-casting  Material screw connection 2 inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min. 25 °C  Operating temperature max. 85 °C  Additional contrain terief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12)	ETIM-5.0	EC001855
Packaging unit Electrical data   Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 4A Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 4A Operating voltage AC (UL-listed) 4A Operating voltage AC (UL-listed) 4A Operating per contact max. 4A Operating per contact max. 4A Operating per contact max. 4A Operating per voltage 4A Operating per voltage 4A Operating voltage 5A Operating voltage 5A Operating voltage 5A Operating voltage 6A Operating temperature min. 4B Operating temperature max. 85 Oper	customs tariff number	85444290
Electrical data   Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage DC max. 250 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 4 A Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60684-1) 1  Mechanical 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  Operating temperature min25 °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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contormity  Product standard DIN EN 61076-2-101 (M12)	GTIN	4048879212342
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Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Pollution Degree         3         Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         I         I           Mechanical data   Material data         Vickeled           Coating locking         Nickeled         Ocating locking           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           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           Important installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Protect tandard         DIN EN 61076-2-101 (M12)		
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Pollution Degree 3 Rated surge voltage 2,5 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  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.  Attention: 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)		
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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.  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.  Attention: 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)		
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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  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)	Mechanical data   Material data	
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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  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 Attention: 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)	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min.  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 Attention: 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)	Mechanical data   Mounting data	
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Conformity  Product standard  DIN EN 61076-2-101 (M12)	-	
Product standard DIN EN 61076-2-101 (M12)	Note on bending radius	
	Conformity	
Installation   Cable	Product standard	DIN EN 61076-2-101 (M12)
	Installation   Cable	

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: 2024-05-18



## stay connected

Cable identification	614
Cable Type	1
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth	40,7 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 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	4
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	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	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
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter