

## M12 male 90° A-cod. with cable shielded

PVC 3x0.34 shielded gy UL/CSA 5m

Male 90° M12, 3-pole shielded A-coded

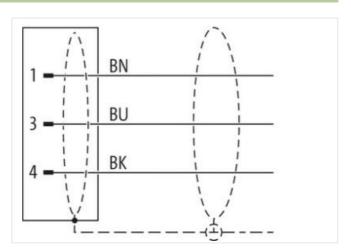
Plastic housings with good resistance against chemicals and oils.

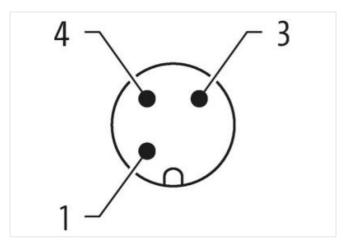
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

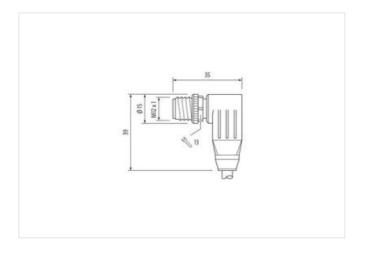
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

5 m

Side 1

Tightening torque 0,6

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: 2024-04-20



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Conting contents         got plated           Entirely construction form         M12 x 1           Coding         A           Material contect         Copper alloy           Material contect         Copper alloy           Material contect         PUR           No. of polices         3           With across fates         SM3           Degree of protection (EN IEC 68529)         IPCS, Reek, IRF7           Side 2         SM0           Stropping from the CR 68529 of Police (IRF)         Demonstrated (IRF)           Side 3         Ommonical date           Counting content         god patient           Counting content         20 of Police           COLASS-10         27279218           ECLASS-5,0         27279218           ECLASS-10.1         27060311           ECLASS-11.2         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060	Mounting method	inserted, screwed
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Miles   Mile		
Coding         A           Malarinal contact         Coppor alloy           Malarinal (Contact)         Coppor alloy           No. of poles         3           Width across fatis         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         IP65, IP66K, IP67           Side 2         IP65, IP66K, IP67           Side 2         IP67           Side 3         IP67           Side 4         IP67           Side 4         IP67           Side 5         IP67           Side 6         IP67           Side 7         IP68           Conting contact         910 plated           Commercial dis         IP68           ECLASS 10         2779318           ECLASS 11         2779218           ECLASS 10         2779218           ECLASS 10         2779218           ECLASS 11         27060311           ECLASS 11         27060311           ECLASS 11         27060311           ECLASS 120         27060311           ETIM 50         ECOPERATION INTERPRETATION		
Meterial contact         Copper alloy           No. of potes         3           Wild harders         PUR           No. of potes         3           Wild harders         SW13           Degree of protection (EN IEC 60529)         IP85, IP8K, IP67           Side 2         SID           Siripping length (jacket)         20 mm           Coating contact         gold plated           Commercial data         Coating contact           ECLASS 6.0         22729218           ECLASS 7.0         27729218           ECLASS 7.0         27729218           ECLASS 9.0         27760311           ECLASS 9.1.1         27000311           ECLASS 9.1.1         27000311           ECLASS 9.1.1         27000311           ECLASS 9.1.1         27000311           ECLASS 9.1.2         27000311           ECLASS 9.0         EVALUATION 1           ECLASS 9.0         80.0           Conscience stream 1         1		
Moterial         PUR           No. cui poles         3           Wichin across fatis         SW13           Degree of protection (EN IEC 60529)         IPSE, IPSEK, IPST           Sife 2         Sife programment of the control of the contr		
No. of poles 3 Widin across fields SW13  Surpoin protection (EN IEC 60529)  IPES, IPESK, IPES  Side 2  Surpoin plangth (duckut) 20 m  Commercial data  ECLASS-6.0 27279218  ECLASS-6.1 27279218  ECLASS-7.0 27279218  ECLASS-8.0 2779218  ECLASS-8.0 2779218  ECLASS-9.0 27090311  ECLASS-9.0 27090311  ECLASS-9.0 27090311  ECLASS-10.1 27090311  ECLASS-10.2 27090311  ECLASS-10.3 27090311  ECLASS-10.3 27090311  ECLASS-10.3 27090311  ECLASS-10.4 20090311  ECLASS-10.5 20090311  ECLASS-10.5 20090311  ECLASS-10.0 2009031  ECLASS-		
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Coating contact gold plated  Commercial data  ECLASS 6.0 27279218  ECLASS 7.0 27279218  ECLASS 8.0 27279218  ECLASS 8.0 27279218  ECLASS 8.0 27279218  ECLASS 9.0 27060311  ECLASS 9.0 2706031  ECLASS 9.0 27060311  ECLASS 9.0 2706031  ECLASC 9.0 20011  ECL	Stripping langth (includ)	20 mm
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ECLASS-7.0 2729218 ECLASS-8.0 27279218 ECLASS-9.0 2706311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC09155 customs tariff number 85444290 GTIN 4048878200790 Packaging unit 1  Electrical data   Suppty Operating voltage AC max. 60 V Operating voltage AC max. 60 V Current operating per contact max. 4 A  Diagnostics Status indication LED no Installation   Connection Stripping length (facket) 20 mm Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3  Rated suge voltage 1,5 kV Material group (IEC 60664-1) I   Mechanical data   Methal data Coating locking Nickeled Coating of litting nickel plated Locking material Locking material Locking method inserted, screwed, Shaking protection  Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climping Locking method inserted, screwed, Shaking protection  Environmental characteristics   Climping Locking method inserted, screwed, Shaking protection  Environmental characteristics   Climping Locking method inserted, screwed, Shaking protection  Environmental characteristics   Climping Locking method inserted, screwed, Shaking protection		
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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         404867200790           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         no           Installation   Connection           Stitipping length (saket)         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 (EC 60664-1)         1           Mechanical data   Material data           Coating of fitting         nickel plated           Coating of fitting         nickel plated           Coating of fitting         nickel plated		
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ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879200790           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         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 6068-1)         1           Mechanical data   Material data         Coating locking           Coating locking         Nickeled           Coating locking anterial         zinc die-casting           Methanical data   Mounting data         Wounting method           Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature		
Status		
GTIN         4048879200790           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC 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         V           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         V           Coating locking         Nickeled           Coating locking         Nickeled           Coating atternal         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Meunting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatics         C           Operating temperature min.         -25 °C		
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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
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Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Nickeled  Coating of fitting  nickel plated  Locking material  Atterial screw connection  Mechanical data   Mounting data  Mounting method  inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.	Pollution Degree	3
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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	Material group (IEC 60664-1)	1
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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   Climatic	C .
	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality	Operating temperature max.	85 ℃
	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: 2024-04-20



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Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
	047
Cable identification	317
Jacket Color	gray
Amount stranding	1 3 wires twisted
Stranding Stranding factor min.	40 mm
Stranding factor max.	40 mm
Cable shielding (type)	copper braid, tinned
Cable shielding (type)  Cable shielding (coverage)	85 %
Banding	Fleece, Foil
wire arrangement	brown, black, blue
Cable weigth	56,1 g/m
Material jacket	PVC
Shore hardness jacket	80 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	90 ± 3 Shore A
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
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor -	500 V
conductor)  AC withstand voltage power (wire - shield)	1,5 kV @ 60 s
Power frequency withstand voltage power	
(wire - jacket)	1,5 kV @ 60 s
AC withstand voltage power (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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)	10 x Outer diameter
bending radius (lixed)	TO A GOLD GIAMOTO