

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

PUR 4x0.34 shielded gy 60m

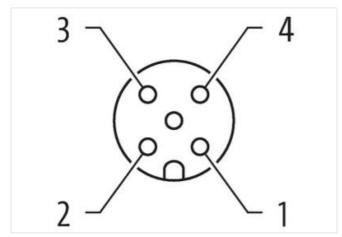
Female straight M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

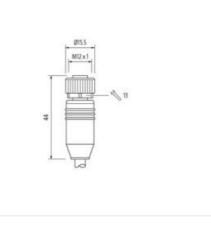
## Link to Product

Illustration









Product may differ from Image



Cable length

Side 1

60 m

0,6 Nm

Tightening torque

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: 2024-05-05

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Thread         M12 x 1           Coding         A           Material         PUR           With accoss flats         SW13           Degree of protection (EN EC 60529)         PB6, IP667, IP67           Commercial dats         SW13           ECLASS 6.0         9279216           ECLASS 7.0         22727218           ECLASS 7.0         27279216           ECLASS 7.0         272600311           ECLASS 7.0         27060311           ECLASS 7.0         ECO01985           Coutions lanfl mumber         85442290           GTIN         4048879556651           Packaging unit         1           Electrical data [Supply         Courient operating per contact max.           Oparating voltage AC max.         60 V           Oparating voltage CG max.         60 V           Oparating voltage DC max.         60 V           Oparating voltage DC max.         60 V           Oparating voltage DC max.         60 V           Cotaring t	Mounting method	inserted, screwed
CadingAMaterialPURWith across fatsSW13Degree of protection (EN EC 0529)UPS, UPS(, UPS7Commercial data2727218ECLASS 6.027272718ECLASS 7.02727218ECLASS 7.02727218ECLASS 7.02727218ECLASS 7.02727218ECLASS 7.02727218ECLASS 7.02727218ECLASS 7.02727218ECLASS 7.02727218ECLASS 7.02727218ECLASS 7.12706031ECLASS 7.12706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22707218ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECLASS 7.22706031ECHASS 6.32706031ECHASS 6.32706031ECHASS 7.527020Orang on the State Sta	Family construction form	M12
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With access fails         With 3           Degree of protection (EN IEC 6029)         IP65, IP66K, IP67           Commercial dista         E           ECLASS 6.0         27278718           ECLASS 6.1         27278718           ECLASS 7.0         27090011           ECLASS 7.0         27090011           ECLASS 7.1         02000185           ECLASS 7.1         040837555651           Derkaging village         00 V           Carrert operating village CAR max.         60 V           Carrert operating village CAR max.         60 V	Coding	A
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         E           ECLASS 6.0         27279218           ECLASS 6.1         22279218           ECLASS 6.0         27279218           ECLASS 6.0         27279218           ECLASS 8.0         27279218           ECLASS 8.1         27060311           ECLASS 8.1         27060311           ECLASS 8.12.0         27060311           ECLASS 8.12.0         27060311           ECLASS 8.12.0         27060311           ECLASS 8.0         ECOMBS           cuatoms stml number         65.444290           GTIN         404897955661           Packaging unit         1           Electrical data [Supply         C           Operating voltage DC max.         60 V           Current operating notitage of max.         4.1           Electrical         Installation (Combetin           Electrical data [Supply         Installation (Combetin           Electrical data [Supply ingree         3	Material	PUR
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ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27792916           ECLASS-8.0         27792916           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         2706055           customs tatiff number         8544280           Carrent operating participe and the statiff number         8544280           Carrent operating participe and the statiff number         8544280           Carrent operating participe and the statiff number         80 V           Operating voltage AC max.         60 V           Operating voltage CC max.         60 V           Operating voltage CC max.         60 V           Operating voltage AC max.         60 V           Operating voltage CC max.	Commercial data	
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EQLASS-10.1         27060311           EQLASS.20         27060311           EQLASS.20         27060311           ETIM 5.0         EC001855           customs tarff number         85444290           GTIN         404897955661           Packaging unit         1           Electrical data [ Supply            Operating voltage AC max.         60 V           Operating voltage DC max.         18 V           Additional condition protection degree         18 V	ECLASS-8.0	27279218
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           Castoms tariff number         85444290           Castoms tariff number         85444290           GTIN         4048978556651           Packaging unit         1           Electrical data [Supply         Electrical data [Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per constat max.         4 A           Installation [Connection         Installation [Connection]           Mouning set         M12 x 1           Device protection [Electrical         Instruet, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Zinc die-casting           Coating loching         Nickeld           Coating loching         Nickeld           Coating of Hiting         rickel plated           Locking mathral         Inserted, screwed, Shaking protection           Metrial group (IEC 6	ECLASS-9.0	27060311
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ETIM-5.0         EC001855           customs tariff number         85444290           OTIM         4048873556651           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         60 V           Current operating per contact max.         4 A           Installation   Connection            Mouring 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 60684-1)         I           Mechanical data   Material data            Coating locking         Nickaled           Coating of fitting         nickal plated           Locking material         Zine die-casting           Material screw connection         Zine die-casting     <	ECLASS-11.1	27060311
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GTIN         4048879556851           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           Installation   Connection            Mounting set         M12 x 1           Device protection   Electrical            Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage CG 66664-1)         1           Mechanical data   Material data            Coating ol fitting         nickeled           Coating ol fitting         nickeled           Coating ol fitting         nickeled plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Envoromential characteristics   Climatic            Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical lo	ETIM-5.0	EC001855
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Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       -25 °C         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         Product standard       DIN EN 61076-2-101 (M12)		
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       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.         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.         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable		
Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       mote on strain relief         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         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Conformity	Material screw connection	
Mounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-25 °COperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Product standardDIN EN 61076-2-101 (M12)Installation   CableUnit Protection Class	Mechanical data   Mounting data	-
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       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         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable	·	inserted, screwed. Shaking protection
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Note on bending radius     endangered by excessive bending forces.       Conformity     Product standard       DIN EN 61076-2-101 (M12)       Installation   Cable	Note on strain relief	
Product standard DIN EN 61076-2-101 (M12) Installation   Cable	Note on bending radius	
Installation   Cable	Conformity	
	Product standard	DIN EN 61076-2-101 (M12)
Cable identification 331	Installation   Cable	
	Cable identification	331

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Jacket Color	gray
Amount stranding	1
Stranding	4 wires twisted
Banding	Fleece, Foil
wire arrangement	brown, black, blue, white
Traversing distance (C-track)	5 m @ 25 °C
Material jacket	PUR
Shore hardness jacket	85 ± 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 inner jacket	PVC
Color (inner jacket)	gray
Material wire insulation	PVC
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	85 ± 5 Shore A
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-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
Max. rated voltage (conductor - conductor)	350 V
Max. rated voltage (conductor - ground)	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
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	0° ℃
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	0,1 Mio. @ 25 °C

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