

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

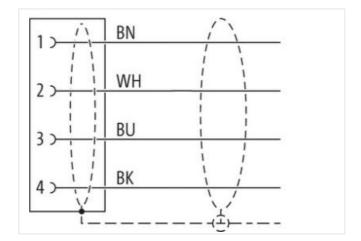
PUR 4x0.34 shielded gy 43m

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

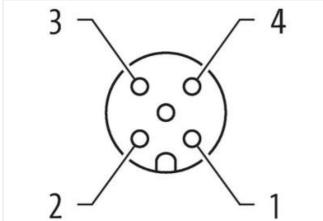
Illustration





N B

3





Product may differ from Image



Cable length

Side 1

43 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: 2024-04-19

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EQLASS-10.1     27060311       EQLASS-11.1     27060311       EQLASS-12.0     27060311       ETM-5.0     EC001855       cuatons tariff number     85444290       GTIN     4048879787703       Packaging unt     1       Electrical data   Supply     Coperating voltage AC max.       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Current operating por contact max.     4 A       Installation   Connection     Midx 1       Installation   Connection     Midx 1       Device protection   Electrical     Midx 1       Additional condition protection degree     inserted, screwed       Patitato group (EC 60684-1)     1       Macharial gro	ECLASS-8.0	27279218
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customs tariff number     85444290       GTIN     4048879787703       Packaging unit     1       Electrical dia [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     1,5 kV       Material group (IEC 60684-1)     1       Mechanical data   Material data     Zinc dire-casting       Coating locfitting     Nickeled       Coating of fitting     Nickeled       Coating of fitting     Zinc dire-casting       Mechanical data   Material data     Zinc dire-casting       Mechanical data   Material gata     Zinc dire-casting       Mounting method     isserted, screwed, Shaking protection       Eviconmential characteristics   Climatic     Coating of fitting       Operating remparture min.     25 °C       Operating r	ECLASS-12.0	27060311
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Operating voltage DC max.     60 V       Current operating per contact max.     4 A       Installation   Connection     Maximum       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 6064-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mustring terme onnection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     V       Operating temperature max.     85 °C       Additional condition temperature range     del 0076-2-101 (M12)       Desting temperature max.     85 °C       Additional condition temperature range     DIN EN 61076-2-101 (M12)       Installation   Cabie     DIN EN 61076-2-101 (M12)	Electrical data   Supply	
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Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     Inserted, screwed       Polluto Degree     3       Rated surge voltage     1,5 kV       Material group (IE 6 0664-1)     1       Mechanical data   Material data     Inserted, screwed       Coating locking     Nickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed. Shaking protection       Environmental characteristics   Climatic     Operating temperature max.     85 °C       Operating temperature max.     85 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Operating temperature max.     85 °C       Operating temperature max.     85 °C     Operating temperature max.     85 °C	Operating voltage DC max.	60 V
Mounting set     M12 x 1       Device protection   Electrical     inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Nickel plated       Locking material     Zinc die-casting       Methanical data   Mounting data     Screwed, Shaking protection       Porting method     inserted, screwed, Shaking protection       Porting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     25°C       Operating temperature min.     -25°C       Operating temperature max.     85°C       Additional condition temperature may.     depending on cable quality       Contomity     1       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     231       Caket Color     331       Jacket Color     gray       Amount stranding     1       Stranding <td>Current operating per contact max.</td> <td>4 A</td>	Current operating per contact max.	4 A
Mounting set     M12 x 1       Device protection   Electrical     inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Nickel plated       Locking material     Zinc die-casting       Methanical data   Mounting data     Screwed, Shaking protection       Porting method     inserted, screwed, Shaking protection       Porting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     25°C       Operating temperature min.     -25°C       Operating temperature max.     85°C       Additional condition temperature may.     depending on cable quality       Contomity     1       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     231       Caket Color     331       Jacket Color     gray       Amount stranding     1       Stranding <td>Installation   Connection</td> <td></td>	Installation   Connection	
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   Material data     Coating of fitting       Coating of fitting     nickel plated       Coating of fitting     nickel plated       Coating of fitting     Zinc clie-casting       Material screw connection     Zinc clie-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Since       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard       Product standard     Sin C       Cable identification     331       Jacket Color     gray       Amount stranding     1       Stranding     Fleece, Foil		M12 x 1
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     Nickeld       Coating of fitting     Nickelp lated       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Mechanical data   Mounting data     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     S°C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     V       Product standard     DIN EN 61076-2-101 (M12)       Instalton   Cable     Site dientification       Cable identification     331       Jacket Color     gray       Annount stranding     1       Stranding     4 wires twisted		
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Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking   Nickeled     Coating locking   Nickeled   Coating of fitting     Coating of fitting   nickel plated   Coating of material     Locking material   Zinc die-casting   Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method   inserted, screwed, Shaking protection   Mounting method     Fervironmental characteristics   Climatic   Operating temperature min.   -25 °C   Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality   Mounting   Mounting     Product standard   DIN EN 61076-2-101 (M12)   Installation   Cable   Cable identification     Jaket Color   gray   Amount stranding   1     Amount stranding   1   Stranding   4 wires twisted     Banding   Fiece, Foil   Fiele   Fiele		
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Mechanical data     Material data       Coating oloking     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   Climatic     Cool       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     V       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification       Gable identification     331       Jacket Color     gray       Amount stranding     1       Stranding     4 wires twisted       Banding     Fleece, Foil		
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Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Additional condition temperature range   depending on cable quality     Conformity   V     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   231     Cakle Color   gray     Amount stranding   1     Stranding   Fleece, Foil	· ·	· · · · · ·
Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Environmental characteristics   Climatic		
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     Conformity   V     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   331     Cable identification   331     Jacket Color   gray     Amount stranding   1     Stranding   4 wires twisted     Banding   Fleece, Foil		•
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     Conformity   V     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   331     Cable identification   3331     Jacket Color   gray     Amount stranding   1     Stranding   Fleece, Foil		
Mounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12)Installation   CableCable identification331Jacket ColorgrayAmount stranding1Stranding4 wires twistedBandingFleece, Foil		Zinc die-casting
Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   Product standard     DIN EN 61076-2-101 (M12)   Installation   Cable     Cable identification   331     Jacket Color   gray     Amount stranding   1     Stranding   Fleece, Foil	Mechanical data   Mounting data	
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityUN EN 61076-2-101 (M12)Product standardDIN EN 61076-2-101 (M12)Installation   Cable331Cable identification331Jacket ColorgrayAmount stranding1Stranding4 wires twistedBandingFleece, Foil	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   IN EN 61076-2-101 (M12)     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   331     Cable identification   331     Jacket Color   gray     Amount stranding   1     Stranding   4 wires twisted     Banding   Fleece, Foil	Environmental characteristics   Climatic	
Additional condition temperature range   depending on cable quality     Conformity   DIN EN 61076-2-101 (M12)     Installation   Cable   Zable identification   331     Cable identification   gray   Addition     Amount stranding   1   Stranding   4 wires twisted     Banding   Fleece, Foil   Fleece, Foil	Operating temperature min.	-25 °C
ConformityProduct standardDIN EN 61076-2-101 (M12)Installation   CableCable identification331Jacket ColorgrayAmount stranding1Stranding4 wires twistedBandingFleece, Foil	Operating temperature max.	85 °C
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification331Jacket ColorgrayAmount stranding1Stranding4 wires twistedBandingFleece, Foil	Additional condition temperature range	depending on cable quality
Installation   Cable     Cable identification   331     Jacket Color   gray     Amount stranding   1     Stranding   4 wires twisted     Banding   Fleece, Foil	Conformity	
Cable identification331Jacket ColorgrayAmount stranding1Stranding4 wires twistedBandingFleece, Foil	Product standard	DIN EN 61076-2-101 (M12)
Jacket ColorgrayAmount stranding1Stranding4 wires twistedBandingFleece, Foil	Installation   Cable	
Amount stranding 1   Stranding 4 wires twisted   Banding Fleece, Foil	Cable identification	331
Stranding 4 wires twisted   Banding Fleece, Foil	Jacket Color	gray
Banding Fleece, Foil	Amount stranding	1
	Stranding	4 wires twisted
wire arrangement brown, black, blue, white	Banding	Fleece, Foil
	wire arrangement	brown, black, blue, white

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No. of bending cycles (C-track)	0,1 Mio. @ 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
Traversing distance (C-track)	5 m @ 25 °C
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
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	350 V
AC withstand voltage power (wire - shield)	1,5 kV @ 60 s
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	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)	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

Bending radius (dynamic)

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