

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

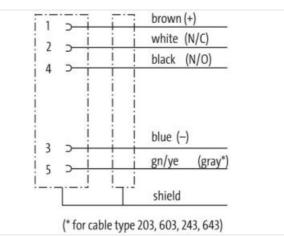
PUR 5x0.34 shielded bk UL/CSA+drag ch. 25m

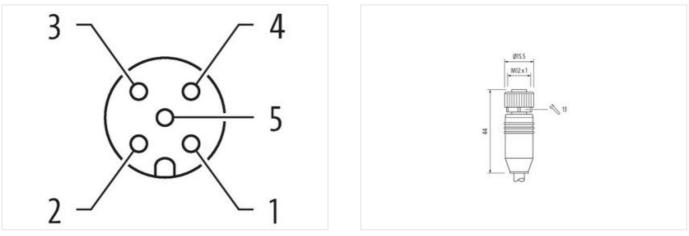
M12, 5-pole Female straight shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

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: 2024-04-17

25 m

0,6 Nm



ThreadM12 x 1Cable outletstraightCable outletstraightCodingAMaterialPURWidh across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Sile 2Stripping length (jacket)20 mmCommercial data27279218ECLASS 6.027279218ECLASS 7.027279218ECLASS 7.027279218ECLASS 7.027279218ECLASS 7.027279218ECLASS 7.027260311ECLASS 7.027060311ECLASS 7.127060311ECLASS 7.227060311ECLASS 7.22706031E	Mounting method	inserted, screwed
Cable ouldit.straightCodingACodingAMatrialPL/BWith accoss fatsSW13Degree of protecting (FLR EG 0595)IP65, IP66, IP67Side ZTSide JZCommercial degreeZCommercial degreeZCommercial degreeZCommercial degreeZCommercial degreeZCommercial degreeZCommercial degreeZCommercial degreeZCommercial degreeZCommercial degreeZCCASS 50.0ZZZCCASS 50.0ZZZCCASS 50.0ZZZCCASS 50.0ZZZCCASS 50.0ZZZCCASS 50.0ZZZCCASS 50.0ZZZZZCCASS 50.0ZZ<	Family construction form	M12
Cading         A           Material         PUB           Wath actos flats         SW13           Dagra of protection (EN IEC 60529)         IPSE, IPSE, IPSE, IPSE           Stripping length (jackol)         20 mm           Commocial data         E           ECLASS 6.0         27278218           ECLASS 7.0         27278218           ECLASS 8.0         27278218           ECLASS 8.10         27000311           ECLASS 9.10         27000311           ECLASS 9.10         27000311           ECLASS 9.10         10           Declass 9.11         1           Electrical data [Suppix         60 V           Operati	Thread	M12 x 1
Material         PUF           Width across flata         SW13           Degree of protector (EN EC 6552)         IPBS, P66K, IPS7           Side 2         Side 2           Sinping length (jackel)         20 mm           Commercial des         2279218           ECLASS 5.0         2279218           ECLASS 5.0         2279218           ECLASS 5.0         2279218           ECLASS 5.0         27690311           ECLASS 5.0         27690312           Packaging with 4         494290           Operating voltage	Cable outlet	straight
With across flats         SW13           Dagree of protection (EN IEG 00529)         PB65, IP67           Sile 2         Silpong lengh (jackot)         20 mm           Connecical data         E           EGLASS 7.0         27278218           EGLASS 7.0         27279218           EGLASS 7.0         27279218           EGLASS 7.0         27000311           EGLASS 7.0         27000311           EGLASS 7.0         27060311           EGLASS 7.1         2706031           EGLASS 7.1         40487940122           Packaging unit         1           Edectad Els Suppi         Concortso           Granting voltage AC (ML Isteed)         30 V           Operating voltage AC (ML Isteed)         30 V           Operating voltage CD (UL Isteed)         30 V           Operating vol	Coding	A
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Stip         Stip           Conservation         Stip           CALASS 5.0         27279218           ECLASS 5.0         27279218           ECLASS 5.0         27279218           ECLASS 5.0         27000311           ECLASS 5.0         27000312           Packaging um1         40487403122           Packaging um1         40487403122           Operating volta	Material	PUR
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Commercial stat           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27000311           ECLASS-8.0         27000311           ECLASS-8.1         27000311           ECLASS-8.2         27000311           ECLASS-8.2         27000311           ECLASS-8.1         440000           Parking voltage AC max.         60 V           Operating voltage AC (UL-Isted)         30 V           Carrent operating voltage AC (UL-Isted)         30 V           Carrent operating voltage AC (UL-Isted)         30 V           Sipping long/h (ackel)         30 V           Carrent operating voltage AC (UL-Isted)         30 V           Edeader         Imale	Side 2	
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         2706031           ECLASS-12.0         2706031           ECLASS-12.0         2706031           ECLASS-12.0         2706031           ECLASS-12.0         2706031           ECLASS-12.0         2706031           ECLASS-13.1         404879403122           Packaging unit         1           Edectrical fall Supply         Edectrical fall Supply           Operating voltage AC max.         60 V           Operating voltage AC (LL-Isleet)         30 V           Current concetion         Education ISleet           Education Isleet         12 N           Gender         Inselfed. Scowed           Polution Doprole (LE Godd-1)         1	Stripping length (jacket)	20 mm
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27060311           ECLASS-8.1.1         27060311           ECLASS-10.2         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETM-5.0         EC001655           cuatoms tarff number         8544220           GTIN         404897943122           Packaging unt         1           Etercical data   Supply         Operating voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Instalion   Connecton         Itsk1           Gender         female           Device protection   Electrical         Itsk1           Additional condition protection degree         issted, screwed           Pollution Degree         3          Read surge voltage         1.5	Commercial data	
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27060311           ECLASS-8.1.1         27060311           ECLASS-10.2         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETM-5.0         EC001655           cuatoms tarff number         8544220           GTIN         404897943122           Packaging unt         1           Etercical data   Supply         Operating voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Instalion   Connecton         Itsk1           Gender         female           Device protection   Electrical         Itsk1           Additional condition protection degree         issted, screwed           Pollution Degree         3          Read surge voltage         1.5	ECLASS-6.0	27279218
ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11         27060311           ECLASS-12.0         27060311           Carlon SA         ECOM055           carlon Saff Pumber         85444290           Carlon SA         60 V           Operating voltage AC max.         4 A           Installation   Connection         20 mm           Bated supge voltage         30 V           De		
E0LASS-9.0         27660311           E0LASS-10.1         27660311           E0LASS-11.1         27660311           E0LASS-12.0         27060311           E0LASS-12.0         27060311           ETIM-5.0         E0001855           outsonts triff number         8644290           GTIN         4048679403122           Packagin unit         1           Electrical data [Supply         Operating voltage AC max.           Operating voltage AC max.         60 V           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           Instalicial Connection         Instalicial Connection           Stripping length (iacket)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating rollage AC (UL-listed)         30 V           Current operating rollage AC (UL-listed)         30 V           Stripping length (iacket)         14		
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tatiff number         85444290           GTIN         4048679403122           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection            Stripping length (tacket)         20 mm           Mounting set         M12 x 1           Gender         fenale           Device protection   Electrical            Additonal condition protection degree         inserted, screwed           Poliution Degree         3           Steed surge voltage         1,5 kV           Material group (EC 60664-1)         1           Mechanical data         Material data           Coating of fittting         nickele plated		
EQLASS-11.1         27060311           EQLASS-12.0         27060311           EQLASS-12.0         27060311           EQLASS-12.0         27060311           EQLASS-12.0         27060311           EQLASS-12.0         27060311           Customs tariff number         85444280           Customs tariff number         404873403122           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (LL-listed)         30 V           Current operating ore contact max.         4           Installation   Connection         Installation   Connection           Stipping length (lacket)         20 mm           Mounting set         M12 x 1           Berde aurge voltage         instented, screwed           Politation Degree         3           Bated surge voltage         1,5 kV           Material data (Eco 6064-1)         1           Mechanical data   Material data         Unc die-casting           Coati		
ECLASS-12.0         27080311           ETIM-5.0         EC001855           customs taiff number         65444290           GTIN         4048879403122           Packaging unit         1           Electrical data   Supply	ECLASS-11.1	
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customs tariff number         85444290           GTIN         4048879403122           Packaging unit         1           Electrical data [Supply            Operating voltage AC max.         60 V           Operating voltage CC max.         60 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation I Connection            Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Device protection   Electrical            Additional condition protection degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data            Contur for corrugated hose         without           Mechanical of Material data         Zinc dic-casting           Material		
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Operating voltage DC (UL-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         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data            Contour for corrugated hose         without           Mechanical data            Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zine die-casting           Material screw connection         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating operating temperature min.           -25 °C         Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality	Operating voltage DC max.	60 V
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Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           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           Mechanical data         without           Contour for corrugated hose         without           Mechanical data         Miteled           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 min.           -25 °C         Operating temperature max.           Age °C         Actional condition temperature range	Operating voltage DC (UL-listed)	30 V
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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     I       Contour for corrugated hose     without       Mechanical data   Material data     I       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	Installation   Connection	
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)     1       Mechanical data        Contour for corrugated hose     without       Mechanical data   Material data        Coating locking     Nickeled       Coating locking     Nickeled       Coating soft 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	Stripping length (jacket)	20 mm
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Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data       vithout         Contour for corrugated hose       without         Mechanical data       Vithout         Mechanical data       Vithout         Coating locking       Nickeled         Coating locking       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Vithout         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	Device protection   Electrical	
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Mechanical data       without         Contour for corrugated hose       without         Mechanical data   Material data       Nickeled         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   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality	Material group (IEC 60664-1)	
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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         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		without
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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         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	· ·	Nickeled
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       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		
Material screw connection       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         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		•
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		
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		
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality	· · · · · ·	inserted, screwed, Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality	-	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality		
Additional condition temperature range depending on cable quality	· · · ·	

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Product standard

DIN EN 61076-2-101 (M12)

Installation   Cable	
Cable identification	643
Cable Type	3
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, gray
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Cable weigth	57,2 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,6 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-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   horizontal
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
Nominal voltage power AC max.	300 V
AC withstand voltage power (wire - shield)	2 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)	-40 °C
Max. operating temperature (static)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m
I ORSION STRESS	

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