

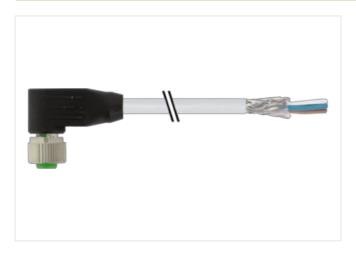
## M12 female 90° A-cod. with cable shielded

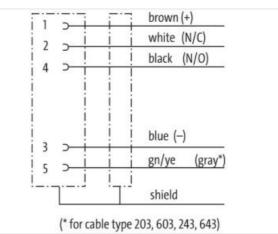
PUR 5x0.34 shielded gy 25m

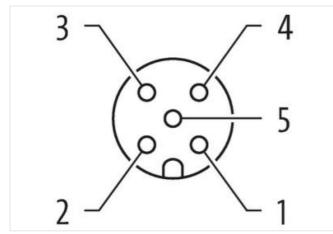
Female 90° M12, 5-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

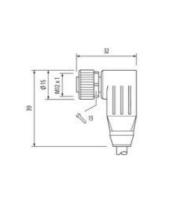
## Link to Product

Illustration









Product may differ from Image



Cable length

Side 1

25 m

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: 2024-04-23

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0,6 Nm



Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copoperality           Material contact         Copoperality           Material contact         Site present protection (EN EC 60529)           Degree of protection (EN EC 60529)         PPS, PPBK, IPB7           Side 2         Site present protection (EN EC 60529)           Contage contact         gal plated           Contage contact         gal plated           Contact contact         gal plated           Contact contact         gal plated           Contact contact         gal plated           Contact	Mounting method	inserted, screwed
Thread         M12 x 1           Coding         A           Coding         A           Material contact         Copper alloy           Material contact         PUR           No. of poles         5           With across fluts         SW13           Degree of protection (EN IEC 6089)         IPes, IPe6K, IPE7           Side 2            Stropping langth (acket)         20 mn           Codaring contact         gold plated           Contact contact         gold plated           Colarding contact         gold plated           Colardin colarding contact	Coating contact	gold plated
CadingAMaterial contactCoppor alloyMaterial contactPURNo. of polos5So (polos)5Orgen er protecton (EN IEC 6029)IP65, IP66K, IP67Stde 2Stde 3UmCoating contactgold platedContaing contactgold platedCoating contact27279218ECLASS-6.027279218ECLASS-7.027279218ECLASS-7.027279218ECLASS-7.027279218ECLASS-7.027279218ECLASS-7.027000311ECLASS-7.027000311ECLASS-7.027000311ECLASS-7.027000311ECLASS-7.027000311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.227079218ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ECLASS-7.127060311ELASS-7.127060311	Family construction form	M12
Material         Copper alloy           Material         PUR           No. of poles         S           With acoss fats         SW13           Degree of protection (EN IEC 60529)         IF66, IF67           Side 2         IF69, IF66, IF67           Side 2         Stripping length (jacket)         20 mm           Commercial dat         Outrop optited         Outrop optited           CELASS 6.0         27279218         ECLASS 6.0         27279218           ECLASS 6.0         27279218         ECLASS 6.0         27279218           ECLASS 6.0         27279218         ECLASS 6.0         27090311           ECLASS 7.0         27090311         ECLASS 6.0         ECOASS51.0           ECLASS 7.1.1         27060311         ECCASS 7.0         ECCASS 7.0           ECLASS 7.0         27090311         ECCASS 7.0         ECCASS 7.0           ECASS 7.0         ECO01855         ECCASS 7.0         ECCASS 7.0           ECASS 7.0         ECCASS 7.0 <td< td=""><td>Thread</td><td>M12 x 1</td></td<>	Thread	M12 x 1
Material         PUR           No. of poles         5           Weith across Bials         SW13           Dagree of protection (EN EC 60529)         PP65, IP67           Side 2         Side 2           Singing length (jacket)         20 mm           Conting contact         gold plated           Commercial data         2727918           ECLASS-0.         27279218           ECLASS-0.0         27279218           ECLASS-0.0         27279218           ECLASS-0.0         27260311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         2706031           ECLASS-1.0         2706	Coding	Α
No. of poles         5           Worth accoss fluis         SW13           Degree of protection (EN EC 00529)         IP65, IP06K, IP67           Side 2         5           Side (a)         20 mm           Contractal data         0 dy laded           Connercial data         20 protection (EN EC 00529)           ECLASS 5.0         27279218           ECLASS 5.0         27279219           ECLASS 5.0         27279219           ECLASS 5.0         27279219           ECLASS 5.0         27279219           ECLASS 5.0         27260311           ECLASS 5.1.1         27060311           ECLASS 5.0         2706031           Eclass 5.0         2706031           Eclass 5.0         2706031           Eclass 5.0         2706031           Eclass	Material contact	Copper alloy
Width access flats         SW13           Degree of protection (EN IEC 60529)         IPES, IPE6K, IPE7           Shipping length (jacket)         20 mm           Conting contact         gold plated           Commercial data         gold plated           Commercial data         27279218           ECLASS 6.0         27279219           ECLASS 7.0         27270219           ECLASS 6.0         27270219           ECLASS 8.0.1         27060311           ECLASS 8.1.1         27060311           ECLASS 8.1.1         27060311           ECLASS 8.1.1         27060311           ECLASS 8.1.1         27060311           ECLASS 9.1.1         27060311           ECMASS 10.1         1           Beachaging woltage AC max.         60 V           Operating woltage AC max.         60 V           Operating	Material	PUR
Degree of protection (EN IEC 60529)         IP65, IP60K, IP67           Stde 2         Stopping length (acket)         20 mm           Conting contract         opid plated         Contract           Contract of als         27279218         Contract           ECLASS-6.0         27279218         Contract           ECLASS-7.0         27279218         Contract           ECLASS-8.0         27279218         Contract           ECLASS-8.0         27279218         Contract           ECLASS-8.0         27260311         Contract           ECLASS-10.1         27060311         Contract           ECLASS-10.2         27060311         Contract           CASS-10.4         27060311         Contract           Calsen Arrow         6044290         Contract           GTIN         4048879128851         Contract           Darating voltage O	No. of poles	5
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Subjenje length (jackol)         20 mm           Coater         gold plated           Commercial dats            ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27260311           ECLASS-8.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.0         27060311           ETM 5.0         EC001855           cuatoms tatiff number         8544290           GTIN         404897948961           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         60 V           Moreing Ingth (jackol)         no           Istai string voltage AC max.         60 V           Cu	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Coating contact         gold plated           Commercial data	Side 2	
Coating contact         gold plated           Commercial data	Stripping length (jacket)	20 mm
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27060311           ECLASS-8.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         EC001865           causions tariff number         8544230           GTIN         404879198851           Packaging unit         1           Electrical data Supply         Electrical supply           Corrent operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Corrent operating to contact max.         4 A           Electrical data Supply         Electrical Supply           Statis indication LED         no           Instance         Mitz x 1           Electrical accordition protection digree         Inserted, screwed           Politation Degree         3           Rated aurge voltage         1,5 kV           Adelitanal soradition protection digree         Inserted,		gold plated
EQLASS-7.0         27279218           EQLASS-8.0         27279218           EQLASS-8.0         27279218           EQLASS-8.0         27060311           EQLASS-10.1         27060311           EQLASS-11.1         27060311           EQLASS-12.0         27060311           Equation information info		
EQLASS-7.0         27279218           EQLASS-8.0         27279218           EQLASS-8.0         27279218           EQLASS-8.0         27060311           EQLASS-10.1         27060311           EQLASS-11.1         27060311           EQLASS-12.0         27060311           Equation information info	ECLASS-6.0	27270218
ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs taiff number         8544220           GTIN         4048879198851           Packaging unit         1           Electrical data [Supply         Corrent oyatige AC max.           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         no           Installation   Connection         Status indication LED           Straping length (jacket)         20 mm           Additional condition protection degree         inserted, serewed           Poliution Degree         3           Rated surge voltage         1.           Mechanical data         Incelled Status           Metrial group (EG 60664-1)         1           Mechanical data         Incelled Status           Contonur for corrugated hose         without		
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879198851           Packaging unit         1           Electrical data [Supply            Operating voltage AC max.         60 V           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection d		
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ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs taiff number         8544290           GTIN         4048879198951           Packaging unit         1           Electrical data   Supply         Deprating voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Current operating per contact max.         4 A           Depreting voltage AC max.         60 V           Current operating voltage AC max.         60 V           Current operating voltage AC max.         60 V           Depreting voltage AC max.         4 A           Defreting Voltage AC max.         10 mm           Moting couting K, screwed		
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Stipping length (jacket)     20 mm       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)     I       Mechanical data     V       Contour for corrugated hose     without       Mechanical data   Material data     V       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zin cide-casting       Material screw connection     Zin cide-casting       Material screw connection     inserted, screwed, Shaking protection	Status indication LED	no
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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       1         Contour for corrugated hose       without         Mechanical data   Material data       vithout         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material garee       Since die-casting         Material garee       Since die-casting	Stripping length (jacket)	20 mm
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       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material group method       inserted, screwed, Shaking protection	Mounting set	M12 x 1
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       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material gata       Mounting data	Device protection   Electrical	
Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data       ithout         Contour for corrugated hose       without         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection	Additional condition protection degree	inserted, screwed
Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data     vithout       Contour for corrugated hose     without       Mechanical data   Material data     Vickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material data   Mounting data     Since die-casting		
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Contour for corrugated hose       without         Mechanical data   Material data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method	Material group (IEC 60664-1)	I
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Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Mounting method       inserted, screwed, Shaking protection	Mechanical data   Material data	
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Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Kerken Strewed, Shaking protection		
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection		
Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection	Locking material	
Mounting method inserted, screwed, Shaking protection	-	
	Mechanical data   Mounting data	
Environmental characteristics   Climatic	Mounting method	inserted, screwed, Shaking protection
	Environmental characteristics   Climatic	>

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: 2024-04-23

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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	349
Jacket Color	gray
Amount stranding	1
Stranding	5 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
No. of bending cycles (C-track)	0,1 Mio. @ 25 °C
Cable weigth	59,4 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-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	5
Outer diameter insulation	1,45 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	85 ± 5 Shore A
Material properties wire insulation	good machinability
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	4,5 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)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
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
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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: 2024-04-23

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Oil resistance

DIN EN 60811-404 | Good, application-related testing

Bending radius (fixed) Bending radius (dynamic) 10 x Outer diameter 15 x Outer diameter