

## M12 male 90° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 5m

Male 90° M12, 4-pole

with cable sleeves

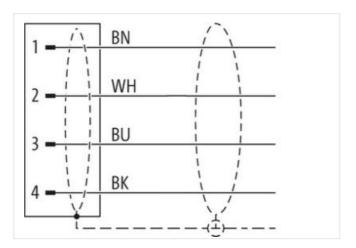
Plastic housings with good resistance against chemicals and oils.

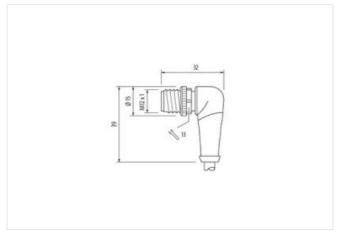
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

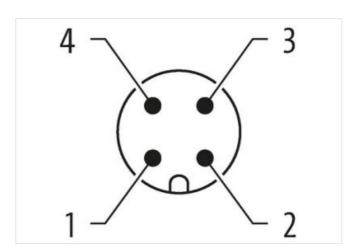
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

5 m

Side 1

Tightening torque

0,6 Nm



stay connected

Trees	Mounting method	inserted, screwed
Suitable for corrugated fulse (internal 6)         10 mm           Cooling         A           Maniford         PUR           Width across flats         SW13           Degree of protection (FNEC 80520)         1P65, F96K, FP67           Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 9.0         27279218           ECLASS 9.0         27060311           ECLASS 9.1         4048879215400           CTIN         4048879215400           PERCENTION         4048879215400           CTIN         4048879215400           CPERCIAG data Supply         40900           Operating voltage DC max         250 V           Operating voltage DC max         250 V           Operating voltage DC max         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Mou	Family construction form	M12
Coding         A           Material         PUR           Worth across fates         SWI3           Degree of protection (EN EC 60529)         IPSE, IPSER, IPS7           Commercial data           ECLASS 8.0         27279218           ECLASS 9.0         27279218           ECLASS 9.0         27279316           ECLASS 9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.1         27060311           ECLASS-1.2.1         27060311           ECLASS-1.2.1         27060311           ECLASS-1.2.2         27060311           ECLASS-1.2.3         270703311           COLASS-1.2.1           ECLASS-1.2.1         270703311           COLASS-1.2.1         270703311           ECLASS-1.2.1         270703311	Thread	M12 x 1
Material   PUR   With across fields   SW13	suitable for corrugated tube (internal $\emptyset$ )	10 mm
Width across flats         SW13           Degree of protection (EN IEC 00029)         IP86, IP66K, IP67           Commercial data         ECLASS-6.0         27278218           ECLASS-7.0         22729218           ECLASS-8.0         27090311           ECLASS-9.0         27000311           ECLASS-10.1         27000311           ECLASS-11.1         27060311           ECLASS-12.0         27000311           ECLASS-17.1         404878215480           Packaging unit         4           ELECTION OF Packaging unit         4           Electrical data Supply         4           Coperating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC fUL isleed;         30 V           Operating voltage PC contact max.         4 A           Installation   Connection         M12 x 1           Politican Degree         3 O Y           Politican Degree         3 C           Politican Degree         3 C           Politican Degree         3 C           Politican Degree         3 C           Coaling of Elimp         included C           Locating provillage         2,5 IV           Machanical	Coding	A
Degree of protection (EN IEC 60529)	Material	PUR
Commercial dats           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECHASS-12.0         27060311           ECHASS-12.0         27060311           ECHASS-12.0         ECOMBS5           customs fairf number         85444290           GTIN         4048679215480           Packaging unit         1           Electrical data   Supply         V           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         M2 x           Additional condition protection degree         inserted, screwed           Pollution   Degree         3           Raded surge voltage         2.5 kV           Material group (EC 60664-1)         I           Mechanical data   Mounting data         Mickel	Width across flats	SW13
ECILASS-8.0         27279218           ECILASS-7.0         27279218           ECILASS-9.0         27060311           ECILASS-10.1         27060311           ECILASS-11.1         27060311           ECILASS-12.0         27060311           ECILASS-13.0         ECONIBES           customs tariff number         65444290           GTIN         4048079215480           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max         250 V           Operating voltage DC max         250 V           Operating voltage DC (UL-listed)         30 V           Pollution Degree         3           Rade surpe voltage         2,5 kV           Material group (EC 606641)         1           Mechanical data   Mounting data         Nickelod           Coating beking         nickel plated           Lockin	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27090311 ECLASS-1.1 27060311 ECLASS-1.1 27060311 ECLASS-1.1 27060311 ECLASS-1.2 27060311 ECLASS-1.2 27060311 ETIM-5.0 ECO1855 CUSTON AUASS-7.1 444280 GTIN AUASS-7.1 4442	Commercial data	
ECLASS 8.0 27279218  ECLASS 9.0 27060311  ECLASS-1.1 27060311  ECLASS-1.1 27060311  ECLASS-1.1 27060311  ECLASS-1.0 27060311  ECLASS-1.0 27060311  ECLASS-1.0 1 27060311  ECLASS-1.0 1 27060311  ECLASS-1.0 1 27060311  ECLASS-1.0 1 27060311  ELECHASS-1.0 1 27060311  ELECHASS-1.0 1 27060311  ELECHASS-1.0 1 27060311  ELECHASS-1.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECLASS-6.0	27279218
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-6.0         EC001885           ususions fariff number         85444290           GTIN         4048879215480           Packaging unit         1           Electrical data   Supply	ECLASS-7.0	27279218
ECLASS-10.1         27060311           ECLASS-11.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff rumber         85444290           GTIN         404879215480           Packaging unit         1           Electrical data   Supply         V           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical         Asserting per contact max.           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2.5 kV           Material group (E0 6064-1)         1           Mechanical data   Material data         Coating of litting           Coating of litting         Nickeled           Coating of litting         Zinc die-casting           Metherial clast   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         C	ECLASS-8.0	27279218
ECLASS-1.1.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECM01855           customs tariff number         85444290           GTIN         4048879215480           Packaging unt         1           Electrical data   Supply         Operating voltage AC max.         250 V           Operating voltage AC (ULI-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting per contact max.         4 A           Installation   Connection         Mounting per contact max.         4 A           Additional condition protection degree         insented, screwed           Pollution Degree         3           Rated surge voltage         2.5 kV           Material group (IEC 60064-1)         I           Mechanical data   Material data         Mounting method </td <td>ECLASS-9.0</td> <td>27060311</td>	ECLASS-9.0	27060311
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tarif number         8544290           GTIN         4048879215480           Packaging unk         1           Electrical data   Supply         Fleetrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 80684-1)         1           Mechanical data   Material data         Incikel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Munting data         Mechanical data   Munting data           Mechanical data   Munting data         Si °C           Additional condition temperature max.         85 °C           Operating temperature max.	ECLASS-10.1	27060311
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048679215480           Packaging unit         1           Electrical data   Supply         Verification of the properties of the properti	ECLASS-11.1	27060311
customs tariff number         85444290           GTIN         4048879215480           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating portage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Institution   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking         Nickeled           Coating alterial         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic	ECLASS-12.0	27060311
GTIN         4048879215480           Packaging unit         1           Electrical data   Supply         Coperating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage AC (UL-listed)         30 V           Oursel operating per contact max.         4 A           Installation   Connection         Muniting set         M12 x 1           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Pollution Degree         3         Rated surge voltage         2.5 kV           Material group (IEC 60664-1)         1         Inserted surge voltage         1 kickeled           Coating of litting         nickel plated         Inserted surge voltage         1 kickeled           Coating of litting         nickel plated         Inserted surge voltage         Inserted surge voltage voltage         Inserted surge voltage voltage voltage voltage voltage         Inserted surge voltage v	ETIM-5.0	EC001855
Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-isted)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mulz x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         I           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         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Ad	customs tariff number	85444290
Electrical data   Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage DC max. 250 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Oursent operating per contact max. 4 A  Installation   Connection  Wounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage Act (MAC)  Methodical data   Material data  Coating locking in inckel plated  Coating locking incident acreating incident acreating material screw connection in lickel plated  Locking material Screw connection in inserted, screwed, Shaking protection  Mechanical data   Mounting data   Mounting data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic	GTIN	4048879215480
Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 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         2,5 kV           Metarial group (IEC 60664-1)         I           Mechanical data   Material data         I           Coating olcking         Nickeled           Coating olcking         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Mechanical data representure min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         -25 °C           Additional condition temperature range         depending on cable quality           Conformity         Installation   Cable           Cable identification         634 <td>Packaging unit</td> <td>1</td>	Packaging unit	1
Operating voltage PC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         W           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60684-1)         I           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         Immediate (screwed, Shaking protection           Environmental characteristics   Climatic         Immediate (screwed, Shaking protection	Electrical data   Supply	
Operating voltage PC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         W           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60684-1)         I           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         Immediate (screwed, Shaking protection           Environmental characteristics   Climatic         Immediate (screwed, Shaking protection	Operating voltage AC max.	250 V
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Image: Content of the cont		250 V
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mulz x 1           Device protection   Electrical         Inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Metarial group (IEC 60664-1)         I           Mechanical data   Material data         Coating of fitting           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material serve wonnection         Zinc die-casting           Mechanical data   Mounting data         Wechanical 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         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         G34           Cable Identification         634           Cable Type         3		30 V
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Mounting set M12 x 1  Pevice protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating of fitting nickel plated  Locking material 2 incide-casting  Material screw connection inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Poperating temperature max. 45 °C  Additional condition temperature range depending on cable quality  Contormity  Product standard DIN En 61076-2-101 (M12)  Installation   Cable  Cable Itype 3	Installation   Connection	
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Rated surge voltage 2,5 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  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min25 °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 634  Cable Type 3		
Material group (IEC 60664-1)  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 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  634  Cable Type  3		
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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  Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 634  Cable Type 3	-	
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Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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 634 Cable Type 3		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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 634  Cable Type 3		
Environmental characteristics   Climatic  Operating temperature min25 °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 634  Cable Type 3		incorted agrayad Chaking protection
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Operating temperature max.  Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 634  Cable Type 3		
Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 634  Cable Type 3		
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Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 634  Cable Type 3		depending on cable quality
Installation   CableCable identification634Cable Type3	Conformity	
Cable identification 634 Cable Type 3	Product standard	DIN EN 61076-2-101 (M12)
Cable Type 3	Installation   Cable	
, , , , , , , , , , , , , , , , , , ,	Cable identification	634
Jacket Color black	Cable Type	3
	Jacket Color	black

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: 2024-04-26



## stay connected

Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Cable weigth	36,3 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)	4,5 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
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 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
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
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
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	± 180 °/m