

## M12 female 0° A-cod. with cable

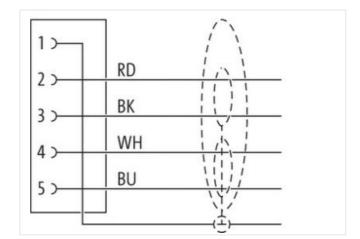
PUR AWG24+22 shielded vt UL/CSA+drag ch. 28m

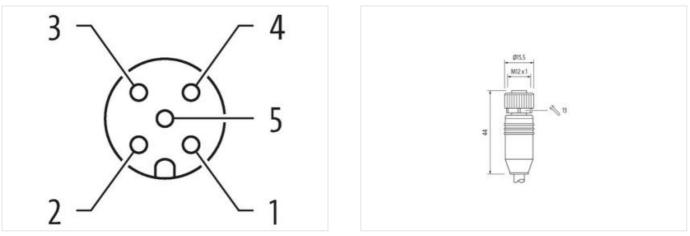
DeviceNet, CANopen Female straight M12, 5-pole A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## 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: 2024-04-26

28 m

0,6 Nm

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Thread         M12 x 1           Coding         A           Maximal         PUR           With accoss flats         SW13           Degree of protection (EN IEC 6028)         IP65, IP66K, IP67           Side 2         Stripping length (scketty)         20 mm           Commercial data         Commercial data         Commercial data           ECLASS 6.0         27061801         Commercial data           ECLASS 6.1         27060307         Commercial data           ECLASS 6.0         27060307         Commercial data           ECLASS 7.0         27060307         Commercial data           Colards 7.0         ECO01985         Commercial data           Colards 7.0         ECO01985         Commercial Suppy           Corenting value for Cras.         60 V         Coperating value for Cras.         60 V           Operating value for Cras.         60 V         Coperating value for Cras.	Family construction form	M12
Material         PUR           Width across flats         SW13           Degree of protection (EN EC 60529)         PR65, P67           Side 2         2           Side 2         2           Commercial (EN EC 60529)         27064007           ECLASS 6.0         27064007           ECLASS 7.0         27060007           ECLASS 7.0         27060007 </td <td>Thread</td> <td>M12 x 1</td>	Thread	M12 x 1
Wildh across flats         SW13           Dagree of protection (EN EC 60529)         PES, P66K, IP67           Site 2         Stripping longh (jackut)         20 mm           Conneccial data         E           ECLASS 6.0         27060007           ECLASS 6.1         27060007           ECLASS 6.1         27060007           ECLASS 7.0         27060007           ECLASS 7.0         27060007           ECLASS 7.0         27060007           ECLASS 7.0         27060007           ECLASS 7.1         27060007           ECLASS 7.20         27060007           ECLASS 7.1.1         27060007           ECLASS 7.20         27060007           ECLASS 7.1.1         27060007           ECLASS 7.20         27060007 <td>Coding</td> <td>A</td>	Coding	A
Degree of protection (EN IEC 60529)         IP85, IP66K, IP87           Site 2         20 mm           Commercial data         20 mm           EQLASS 6.0         2706 1001           EQLASS 6.1         27060307           EQLASS 7.0         70           EQLASS 7.0	Material	PUR
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ECLASS 7.0         27060307           ECLASS 8.0         27060307           ECLASS 9.0         27060307           ECLASS 9.1         27060307           ECLASS 9.1         27060307           ECLASS 9.0         27060307           ECLASS 9.1         27060307           ECLASS 9.20         27060307           ETIM 5.0         EC001855           cuators taff number         8544290           GTIN         404857941533           Packaging unit         1           Electical data   Supply         U           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (LL-isted)         30 V           Current operating voltage DC (LL-isted)         30 V           Operating voltage DC (LL-isted)         30 V           Current operating voltage DC (LL-isted)         30 V           Operating voltage DC (LL-isted)         30 V           Operating voltage DC (LL-isted)         30 V           Current operating voltage DC (LL-isted)         30 V           Additional condition protection degree         inserted, screwed           Polutan Degree         3         3           Rated surge voltage         1.5 kV </td <td></td> <td></td>		
ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           Electrocol 2000         2700000           Operating voltage AC (UL-listed)         30 V           Corrent operating per contact max.         4 A           Instaliation   Connection         30 V           Corrent operating per contact max.         4 A           Instaliation   Connection degree         3           Addional condition protection degree         1           Me		
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busions tariff number         85444290           GTIN         4048879481533           Packaging unit         1           Electrical data   Supply         Deprating voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (LI-listed)         30 V           Operating voltage AC (LI-listed)         30 V           Operating per contact max.         4 A           Installation   Connection         Installation   Connection degree           Stripping length (jacket)         20 mm           Mourting 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 60664-1)         I           Mechanical data         Incole jetee           Contur for corrugated hose         without           Mechanical data         Incole jetaed           Coating of fitting         nickel plated           Coating of fitting         Inckel plated           Coating of fitting         Incelic-casting           Materi	ECLASS-12.0	27060307
GTIN     4048879481533       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     Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     1,5 kV       Material gracu (JC 66 0664-1)     1       Mechanical data     Installation   Connection       Contour for corrugated hose     wilhout       Material gracu (JC 66 0664-1)     1       Mechanical data     Inckel plated       Contour for corrugated hose     wilhout       Material gaset     FKM       Looking material     Zinc die-casting       Material asset     FKM       Looking material     Zinc die-casting       Material asset     Isered, Screwed, Shaking protection       Environmental characteristics   Climatic     Comention       Coperating remperature mix.     455 °C   <	ETIM-5.0	EC001855
Packaging unit     1       Electrical data   Supply       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       Installion   Connection     Stripping length (jacket)       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     M12 x 1       Additional condition protection degree     insented, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data     Material group (IEC 60664-1)       Contour for corrugated hose     without       Mechanical data   Material data     Codie casting       Coating locking     Nickeled       Coating locking     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Sinserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coclimatic	customs tariff number	85444290
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Stripping 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)         1           Mechanical data         inserted, screwed           Contour for corrugated hose         without           Mechanical data   Material data         inserted           Coating locking         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Munting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating temperature min.           Operating temperature min.         -25 °C           Operating temperature max.         85 °C	Current operating per contact max.	4 A
Stripping 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)         1           Mechanical data         inserted, screwed           Contour for corrugated hose         without           Mechanical data   Material data         inserted, screwed           Coating locking         Nickeled           Coating locking         Nickeled           Coating screw connection         Zinc die-casting           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Iserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating temperature min.           Operating temperature min.         -25 °C           Operating temperature max.         85 °C	Installation   Connection	
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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)         I           Mechanical data         vithout           Mechanical data         without           Contrue 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         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Vickeled           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Appending on cable quality         depending on cable quality		
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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         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   Material data         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         Environmental characteristics   Climatic       Co         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		
Coating lockingNickeledCoating of fittingnickel platedMaterial gasketFKMLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataInserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-25 °COperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable quality	<b>.</b>	without
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         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   Material data	
Material gasket       FKM         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	Coating locking	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 min.       -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	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality	Mechanical data   Mounting data	
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable quality	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality	Environmental characteristics   Climatic	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality	· ·	
Additional condition temperature range depending on cable quality		
Conformity		

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Product standard

DIN EN 61076-2-101 (M12)

FIGUE	DIN EN 01070-2-101 (M12)
Installation   Cable	
Cable identification	803
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
No. of bending cycles (C-track)	1 Mio.
Cable weigth	63,12 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)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Amount wires	2
Outer diameter insulation	2,1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	- 5 % 64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	
	Data
Material wire insulation (Data) Outer diameter wire insulation (Data)	PE 1.5 mm
	·
Tolerance outer diameter wire insulation (data)	
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19 22 AWC
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Traversing distance (C-track)	5 m
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
Nominal voltage power AC max.	300 V
Electric capacitance (power)	40000 pF/km

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

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AC withstand voltage power (wire - shield)	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)	-30 °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	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 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

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