

## M12 male 0° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 1.3m

DeviceNet, CANopen Male straight – female straight M12 – M12, 5-pole A-coded shielded

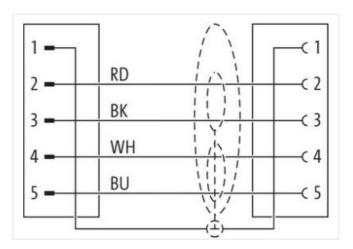
Plastic housings with good resistance against chemicals and oils.

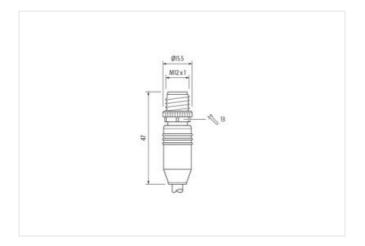
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

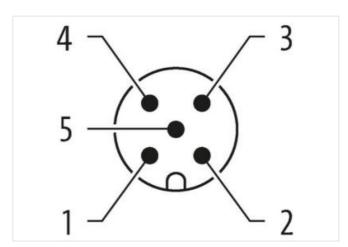
## **Link to Product**

## Illustration



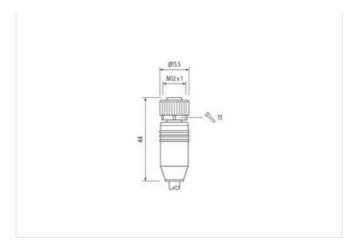


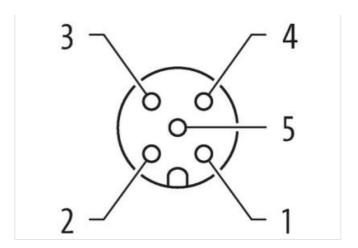






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Product may differ from Image



Cable length





1,3 m







Interest	Side 1	
Thread	Tightening torque	0,6 Nm
Efficiency         M12 x 1           Cable outlet         straight           Ooding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Fightening torque         0,6 Nm           Mounting method         inserted, screwed           amily construction form         M12           Thread         M12 x 1           Cable outlet         straight           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Mounting method	inserted, screwed
Cable outlet         straight           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Elightening torque           Mounting method         inserted, screwed           amily construction form         M12           Thread         M12 x 1           Cable outlet         straight           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Family construction form	M12
Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Flightening torque           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Cable outlet         straight           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Thread	M12 x 1
Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Fightening torque         0,6 Nm           Mounting method         inserted, screwed           amily construction form         M12           Thread         M12 x 1           Cable outlet         straight           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307	Cable outlet	straight
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Fightening torque           Ingitation of the protection of the pro	Coding	A
Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 2  Tightening torque 0,6 Nm Mounting method inserted, screwed  Thread M12 x 1  Cable outlet straight  Coding A Material PUR  Width across flats SW13  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27060307  ECLASS-9.0 27060307  ECLASS-9.0 27060307  ECLASS-10.1 27060307  ECLASS-10.1 27060307  ECLASS-10.1 27060307  ECLASS-10.1 27060307  ECLASS-11.1 27060307  ECLASS-11.1 27060307	Material	PUR
Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           amily construction form         M12           Thread         M12 x 1           Cable outlet         straight           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Width across flats	SW13
Fightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Cable outlet         straight           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Mounting method inserted, screwed  Family construction form M12  Thread M12 x 1  Cable outlet straight  Coding A  Material PUR  Width across flats SW13  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27060307  ECLASS-9.0 27060307  ECLASS-10.1 27060307  ECLASS-11.1 27060307  ECLASS-11.1 27060307	Side 2	
Family construction form         M12           Thread         M12 x 1           Cable outlet         straight           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Tightening torque	0,6 Nm
Thread M12 x 1 Cable outlet straight Coding A Material PUR Width across flats SW13  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27060307  ECLASS-9.0 27060307  ECLASS-9.0 27060307  ECLASS-10.1 27060307  ECLASS-11.1 27060307  ECLASS-11.1 27060307	Mounting method	inserted, screwed
Cable outlet         straight           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Family construction form	M12
Coding       A         Material       PUR         Width across flats       SW13         Commercial data         ECLASS-6.0       27279218         ECLASS-6.1       27060307         ECLASS-7.0       27060307         ECLASS-8.0       27060307         ECLASS-9.0       27060307         ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307	Thread	M12 x 1
Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Cable outlet	straight
Width across flats     SW13       Commercial data       ECLASS-6.0     27279218       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307	Coding	A
Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Material	PUR
ECLASS-6.0 27279218 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307	Width across flats	SW13
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ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307	ECLASS-6.0	27279218
ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307	ECLASS-6.1	27060307
ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307	ECLASS-7.0	27060307
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307	ECLASS-8.0	27060307
ECLASS-11.1 27060307 ECLASS-12.0 27060307	ECLASS-9.0	27060307
ECLASS-12.0 27060307	ECLASS-10.1	27060307
27,0000	ECLASS-11.1	27060307
TIM-5.0 FC001855	ECLASS-12.0	27060307
11NF 0.0	ETIM-5.0	EC001855
customs tariff number 85444290	customs tariff number	85444290
GTIN 4048879284530	GTIN	4048879284530

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Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 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	1,5 kV
Material group (IEC 60664-1)	1
Mechanical data	
Contour for corrugated hose	without
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	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature min.  Operating temperature max.	-25 °C 85 °C
Operating temperature max.	85 °C
Operating temperature max.  Additional condition temperature range	85 °C
Operating temperature max.  Additional condition temperature range  Conformity	85 °C depending on cable quality
Operating temperature max.  Additional condition temperature range  Conformity  Product standard	85 °C depending on cable quality
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted 1
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 %
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding	85 °C  depending on cable quality  DIN EN 61076-2-101 (M12)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  No. of bending cycles (C-track)	85 °C  depending on cable quality  DIN EN 61076-2-101 (M12)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)  1 Mio.
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  No. of bending cycles (C-track)  Cable weigth	85 °C  depending on cable quality  DIN EN 61076-2-101 (M12)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)  1 Mio.  63,12 g/m
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 1 Mio. 63,12 g/m PUR
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Cable shielding (type)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 1 Mio. 63,12 g/m PUR 90 ± 5 Shore A
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 1 Mio. 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Cable shielding (type)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 1 Mio. 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,9 mm
Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12)  803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 1 Mio. 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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Amount wires	2
Outer diameter insulation	2,1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
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)	PE
Outer diameter wire insulation (Data)	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
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 (standard)  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
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
10101011 311033	± 00 /m