

## M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA 7.5m

**Ethernet CAT5** Male 90° M12, 4-pole D-coded shielded

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

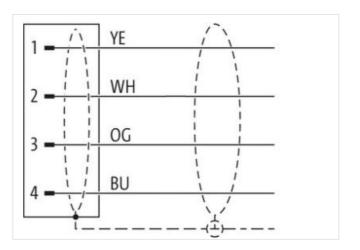
Plastic housings with good resistance against chemicals and oils.

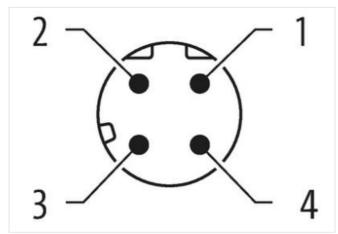
The resistance to aggressive media should be individually tested for your application. Further details on request.

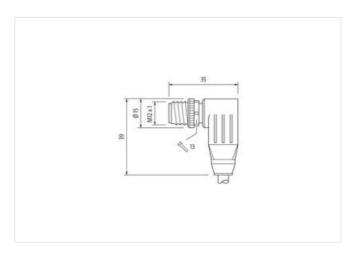
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

7,5 m



stay connected

	Side 1	
Image	Tightening torque	0,6 Nm
Treaded   M12 x 1   Debting   D   Debting   De	Mounting method	inserted, screwed
December	Family construction form	M12
Adams   Pur   Pur	Thread	M12 x 1
Notin across field	Coding	
Pega	Material	
Side 2           Commercial data         Commercial data           CLASS-6.0         27061801           CLASS-6.1         27060307           CLASS-8.0         27060307           CLASS-9.0         27060307           CLASS-9.0         27060307           CLASS-11.1         27060307           CLASS-12.0         27060307           CLASS-12.0         27060307           CLASS-12.0         27060307           CLASS-12.0         27060307           STIMS -0         E002599           Ustoms tariff number         85444290           STIMS -0         E002599           Ustoms tariff number         85444290           STIMS -0         E002599           Ustoms tariff number         85444290           STIMS -0         E002599           Ustoms tariff number         80 V           Departing participed proontest max.         1.5 A           Industrial communication         1.5 A           Industrial communication         1.0 MBits           Industrial communication [ Ethernet functional tumber tum		
Stripping length (lacked)   20 mm	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data           CLASS 6.0         27061801           CLASS 7.0         27060307           CLASS 8.0         27060307           CLASS 8.0         27060307           CLASS 9.0         27060307           CLASS 9.0         27060307           CLASS 9.1.1         27060307           CLASS 9.1.1         27060307           CLASS 9.0         27060307           CLASS 10.0         27060307           CLASS 11.1         27060307           CLASS 12.0         27060307           CLASS 12.0         27060307           CHAST 12.0         27060307           CHAST 13.0         EC002599           Use training per contact max.         60 V           Poperating obtage DC max.         60 V           Industrial communication         CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Pata transmission rate max.         100 MBit/s           Industrial communication   Ethernet functionality           Unique training t	Side 2	
CLASS 6.0   27061801   CLASS 6.1   27060307   CLASS 8.0   27060307   CLASS 8.1.1   27060307   CLASS 8.1.1   27060307   CLASS 8.1.2   27060307   CLASS 8.1.0	Stripping length (jacket)	20 mm
ECLASS-6.1 27060307  ECLASS-7.0 27060307  ECLASS-9.0 27060307  ECLASS-9.0 27060307  ECLASS-9.0 27060307  ECLASS-10.1 27060307  ECLASS-11.1 27060307  ECLASS-11.1 27060307  ECLASS-11.1 27060307  ECLASS-12.0 27060307  ETIM-5.0 EC002599  Ususions tariff number 85444290  ETIM-5.0 EC002599  Ususions tariff number 1  EElectrical data   Supply  Deparating voltage DC max. 60 V  Deparating voltage DC max. 60 V  Deparating voltage DC max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Ruplex Full duplex  Industrial communication   Ethernet functionality  Ruplex Event Service of the se	Commercial data	
CLASS-7.0   27060307   CLASS-8.0   27060307   CLASS-8.0   27060307   CLASS-9.0   27060307   CLASS-10.1   27060307   CLASS-11.1   27060307   CLASS-12.0   2700307   CLASS-12.0   2700307   CLASS-12.0   2700307   CLASS-12.0   CLA	ECLASS-6.0	27061801
CLASS-8.0   27060307	ECLASS-6.1	27060307
CLASS-9.0   27060307	ECLASS-7.0	27060307
CLASS-10.1   27060307   27060307   CLASS-12.0   CLASS-	ECLASS-8.0	27060307
CCLASS-1.1.1   27060307   27060	ECLASS-9.0	27060307
### ### ### ### ### ### ### ### ### ##	ECLASS-10.1	27060307
ETIM-5.0 EC002599  ustoms tariff number 85444290  3TIN 4048879327978  Packaging unit 1  Electrical data   Supply  Operating voltage DC max. 60 V  Durrent operating per contact max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801.2002), (EN 50173-1)  Value ta vansmission rate max. 100 MBit/s  Unique from the max. 100 MBit/s  Unique from the max. 100 MBit/s  Industrial communication   Ethernet functionality  Unique Mounting ength (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Volution Degree 3  Rated surge voltage inserted, screwed  Pollution Degree 3  Rated surge voltage inserted, screwed  Pollution Togory (IEC 60664-1) 1  Mochanical data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose incide plated  Coating of fitting nickel plated  Coating of fitting nickel plated  Coating of fitting nickel plated  Auterial screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	ECLASS-11.1	27060307
automs tariff number         85444290           2TIN         4048879327978           Packaging unit         1           Electrical data   Supply           Dorrating voltage DC max.         60 V           Dorrating per contact max.         1,5 A           Industrial communication           Industrial communication   Enternet functionality           Industrial communication   Ethernet functionality           Industrial Connection           Industrial Connection           Industrial Connection           Industrial Connection           Installation   Connection <t< td=""><td>ECLASS-12.0</td><td></td></t<>	ECLASS-12.0	
Act	ETIM-5.0	
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Electrical data   Supply  Operating voltage DC max. 60 V  Current operating per contact max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Otata transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Iuruplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Salated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating of fitting nickel plated  Locating of served, Shaking protection of time red, screwed, Shaking protection of time red, screwed, Shaking protection of time red, screwed of time red, screwed  Mechanical data   Material data  Locating of fitting nickel plated  Locating of fitting nickel plated  Locating of material in time red, screwed, Shaking protection of time red, screwed, Sha		
Operating voltage DC max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Industrial communication   Ethernet funct	Packaging unit	1
Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Iuplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Voiditional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Alaterial group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled   Dickel plated  Locking material Zinc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Electrical data   Supply	
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Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Iuplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  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) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Locking material  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Current operating per contact max.	1,5 A
Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Iuplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  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) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Industrial communication	
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Installation   Connection  Stripping length (jacket) 20 mm  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) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Industrial communication   Ethernet fur	ectionality
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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  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Cocking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	11 0 0 0 7	
Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Coating material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		M12 x 1
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Asterd surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Coating material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Additional condition protection degree	
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Mechanical data Contour for corrugated hose without  Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Coating material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Rated surge voltage	
Mechanical data   Material data  Coating locking  Nickeled  Coating of fitting  nickel plated  Cocking material  Atterial screw connection  Mechanical data   Mounting data  Mounting method  without  without  Nickeled  Nickeled  Nickeled  Zinc die-casting  Atterial screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method  inserted, screwed, Shaking protection		I
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	Mechanical data	
Coating locking  Nickeled  Coating of fitting  nickel plated  Cocking material  Zinc die-casting  Material screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method  inserted, screwed, Shaking protection	Contour for corrugated hose	without
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	Mechanical data   Material data	
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	Coating locking	Nickeled
Aderial screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Coating of fitting	
Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Locking material	·
Mounting method inserted, screwed, Shaking protection	Material screw connection	
Mounting method inserted, screwed, Shaking protection	Mechanical data   Mounting data	
		inserted screwed Shaking protection
Environmental characteristics   Climatic		
	Environmental characteristics   Climation	



stay connected

Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	794
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weigth	75,87 g/m
Material jacket	PUR
Shore hardness jacket	89 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,7 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	FRNC
Color (inner jacket)	white
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,55 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	65 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 %
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - acket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing

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: 2024-05-02



Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter