

## M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 2m

**Ethernet CAT5** 

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

Further cable lengths on request.

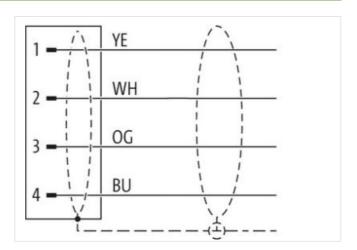
Plastic housings with good resistance against chemicals and oils.

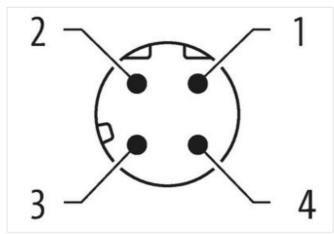
The resistance to aggressive media should be individually tested for your application. Further details on request.

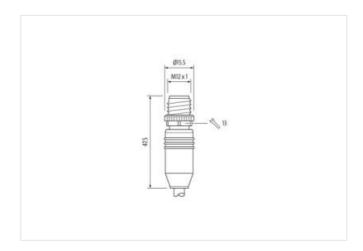
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

2 m



stay connected

	Side 1	
	Tightening torque	0,6 Nm
Image	Mounting method	· · · · · · · · · · · · · · · · · · ·
Decidency	Family construction form	M12
Adaptical   Pulis   Widerhamous files   Pulis   Widerhamous files   Pulis	Thread	M12 x 1
Notin across flats	Coding	D
Begree of protection (EN IEC 60329)         IP65, IP66K, IP67           Commercial data           CELASS 6.0         27961901           CELASS 6.1         27060307           CELASS 7.0         27060307           CELASS 9.0         27060307           CELASS 9.1         27060307           CELASS 1.1.1         27060307           CELASS 1.2.0         27060307           CELASS 1.2.0         27060307           CELASS 1.2.0         EC001855           usuloms tariff number         8544220           Variable of the Supply         FULL           February on Vallage DC max.         60 V           Invariance or contact max.         1.5 A           Invariance or contact max.         1.0 MB/ts           Invariance or contact max.         1.0 MB/ts           Invariance or contact max.         1.0 MB/ts           Invariance or contact max.	Material	PUR
Commercial data         27061801           SCLASS 6.0         27060307           SCLASS 7.0         27060307           SCLASS 7.0         27060307           SCLASS 8.0         27060307           SCLASS 9.0         27060307           SCLASS 1.0.1         27060307           SCLASS 1.1.1         27060307           SCLASS 1.1.1         27060307           SCLASS 1.2.0         27060307           SCLASS 1.2.0         27060307           STIM 5.0         ED01855           Use Institution of the Institution of the Institution of the Institution of Instituti	Width across flats	SW13
CLASS 6.0   27061901	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
CLASS 6.1   27060307	Commercial data	
CLASS-7.0   27060307   CLASS-8.0   27060307   CLASS-8.0   27060307   CLASS-8.0   27060307   CLASS-8.0   27060307   CLASS-8.10.1   27060307   CLASS-10.1   27060307   CLASS-11.1   27060307   CLASS-11.1   27060307   CLASS-12.0   27060307   CLASS-12.0   27060307   CLASS-12.0   CL	ECLASS-6.0	27061801
ECLASS-8.0 27060307  ECLASS-9.0 27060307  ECLASS-11.1 27060307  ECLASS-11.1 27060307  ECLASS-12.0 27060307  ECLASS-12.0 27060307  ECLASS-12.0 27060307  ECLASS-12.0 27060307  ELLASS-12.0 27060307  EL	ECLASS-6.1	27060307
CLASS-8.0   27060307   CLASS-8.0.1   27060307   CLASS-8.0.1   27060307   CLASS-10.1   27060307   CLASS-11.2   27060307   CLASS-12.0   27060307   CLASS-12.0   27060307   CLASS-12.0   CLA	ECLASS-7.0	27060307
CLASS-10.1   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27060307   27070	ECLASS-8.0	27060307
ECLASS-11.1 27060307  ECLASS-12.0 27060307  ECLASS-12.0 ECD1855  usstoms tariff number 85444290  2TIN 40487977817  eackaging unt 1  Electrical data   Suppty  Operating voltage DC max. 60 V  Departing voltage DC max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 118012002), (EN 50173-1)  Sata transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Tuplex Full duplex  Installation   Connection  M12 x 1  Device protection   Electrical  deditional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Atterial group (IEC 60664-1) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated see without  Mechanical data   Material data  Contour for corrugated a Zinc die-casting  Atterial group (IEC 60664-1) 2 1  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Departing temperature min25 °C  Departing temperature min25 °C	ECLASS-9.0	27060307
ECLASS-12.0 27060307  ETIM-5.0 EC001855  Usubons tariff number 85444290  3TIN 4048879778817  Packaging unit 1  Electrical data   Supply  Operating voltage DC max. 60 V  Jurrent operating per contact max. 1.5 A  Industrial communication  Fransfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBit's  Industrial communication   Ethernet functionality  Ruplex Full duplex  Industrial communication   Ethernet functionality  Ruplex Full duplex  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Validional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60864-1)   I  Mechanical data  Contour for corrugated hose without  Machanical data   Material data  Contour for corrugated hose without  Machanical data   Material data  Contour for corrugated soe	ECLASS-10.1	27060307
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Addition	ETIM-5.0	
Packaging unit 1  Electrical data   Supply  Operating voltage DC max. 60 V  Current operating per contact max. 1,5 A  Industrial communication  Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBib's  Industrial communication   Ethernet functionality  Luplex Full duplex  Installation   Connection  Adouting set M12 x 1  Device protection   Electrical  Volution Degree 3  Rated surge voltage 1,5 kV  Attactial group (IEC 60664-1) 1  Mechanical data   Material data  Coating locking Nickeled  Doating of fitting nickel plated  Locking material Attaction   Zinc die-casting  Mechanical data   Munting data  Adouting method inserted, screwed, Shaking protection  Mechanical data   Munting data  Adouting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Diperating temperature max. 85 °C  Deparating temperature max. 85 °C		
Electrical data   Supply  Deparating voltage DC max. 60 V  Durrent operating per contact max. 1,5 A  Industrial communication  Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet tunctuculity  Iuplex Full duplex  Installation   Connection  Journal operating set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Asterd surge voltage 1,5 kV  Asterial group (IEC 60664-1)   I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Coating of fitting nickel plated  Joacking material   Zinc die-casting  Mechanical data   Munting data  Munting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Diperating temperature min25 °C  Diperating temperature max86 °C		
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)           Industrial communication   Ethernet functionality         Industrial communication   Ethernet functionality           Upplex         Full duplex           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Alead surge voltage         1,5 kV           Adeatrial group (IEC 60684-1)         I           Mechanical data         Mechanical data   Material data           Conting of fitting         nickel plated           Coating of fitting         nickel plated           Joacking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.	Packaging unit	1
Industrial communication  Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)  atat transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Iuplex Full duplex  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  Alaterial group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating locking Nickeled  Joacing of fitting incikel plated  Joacing Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min. 25 °C  Jopcrating temperature max.	Electrical data   Supply	
Industrial communication  Fransfer 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  Journal of Protection   Installation   Connection    Additional condition protection degree inserted, screwed    Additional condition for corrugated hose inserted    Mechanical data    Mechanical data   Material data    Coating fifting inickel plated    Coating of fifting inickel plated    Adderial screw connection    Mechanical data   Mounting data    Mechanical data   Mounting data    Mechanical data   Mounting data    Mounting method inserted, screwed, Shaking protection    Environmental characteristics   Climatic    Diperating temperature min. 25 ° C  Diperating temperature max. 85 ° C	Operating voltage DC max.	60 V
Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication   Ethernet functionality Implicit	Current operating per contact max.	1,5 A
Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Implicit Full duplex  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 6064-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Contour for corrugated for inckel plated  Coating locking nickel plated  Coating of fitting nickel plated  Coating affective connection inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min. 25 °C  Deparating temperature min. 85 °C	Industrial communication	
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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) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Coating affecting anickel plated  Additional screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deperating temperature min. 25 °C  Deperating temperature max.	Data transmission rate max.	100 MBit/s
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  Adaterial 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  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature max.  85 °C	Industrial communication   Ethernet fun	ctionality
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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 locking 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  Deparating temperature min25 °C  Deparating temperature max.	Installation   Connection	
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 affective connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min25 °C  Deparating temperature max. 85 °C	Mounting set	M12 x 1
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 affective connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min25 °C  Deparating temperature max. 85 °C	Device protection   Electrical	
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 affairal 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		inserted, screwed
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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  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Material group (IEC 60664-1)	
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  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max.	Mechanical data	
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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  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.	<u> </u>	
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  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	·	Nickeled
Adaptial 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		
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		·
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Material screw connection	<u>-</u>
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		
Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C		inserted screwed Shaking protection
Operating temperature min25 °C Operating temperature max. 85 °C		
Operating temperature max.  85 °C	•	
Sperating temperature max.	Operating temperature min.	
Additional condition temperature range depending on cable quality	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality

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: 2024-05-11



stay connected

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	
•	700
Cable identification	793
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 %
Sanding	Fleece, Foil
Filler	yes
vire arrangement	white, yellow, blue, orange
Cable weigth	69,3 g/m
Material jacket	PUR CONTRACTOR AND CO
Shore hardness jacket	90 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,6 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	copper stranded wire, tinned
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 % MHz
Electrical resistance line constant wire	59,4 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
lectrical capacity line constant (wire - wire) ower frequency withstand voltage (wire -	52000 pF/km 2 kV @ 60 s
acket)	
C withstand voltage (wire - shield)	2 kV @ 60 s
fin. operating temperature (static)	-40 °C
fax. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-20 °C
perating temperature max. (dynamic)	60 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
hemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Dil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	8 x Outer diameter

## Product-PDF for Article 7000-14541-7930200



No. of torsion cycles 4 Mio.

Torsion stress ± 180 °/m