

M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 2m

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

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

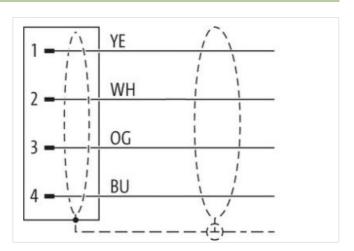
Plastic housings with good resistance against chemicals and oils.

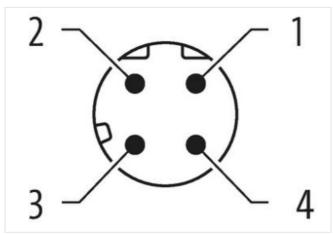
The resistance to aggressive media should be individually tested for your application. Further details on request.

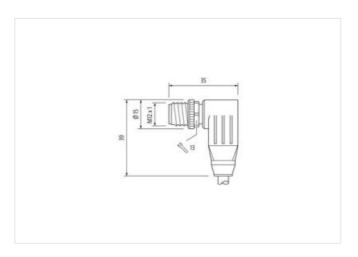
Link to Product

Illustration









Product may differ from Image











Cable length

2 m



stay connected

	Side 1	
Section Miscontent Miscon	Tightening torque	0,6 Nm
Tread M12 x 1 D D D D D D D D D	Mounting method	inserted, screwed
December	Family construction form	M12
Adams PUR Width across (files) PUR	Thread	M12 x 1
Night across field	Coding	
Pega	Material	
Side 2 Commercial data Commercial data CLASS-6.0 27061801 CLASS-6.1 27063907 CLASS-8.0 27063907 CLASS-9.0 27063907 CLASS-9.0 27063907 CLASS-11.1 27063907 CLASS-12.0 27063907 CLASS-12.0 27063907 CLASS-12.0 27063907 STIMS-0 E002599 ustoms tariff number 85444290 STIMS-0 E002599 ustoms tariff number 85444290 STIMS-0 E002599 ustoms tariff number 85444290 STIMS-0 E002599 Ustomatical stage point number 15.A Electrical data Supply Supplementary of target number of the number of target numbe	Width across flats	
Stripping length (lackedt) 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 start in flumber 85444290 2017 The Action of Control o	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 2706030	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 ATIN 4048879311380 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Departing voltage DC max. 1,5 A Industrial communication Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Value transmission rate max. 100 MBit/s Uniquistrial communication Ethernet functionality Uniquex Full duplex Industrial communication Ethernet functionality Unique Mounting set M12 x 1 Device protection Electrical Volution Degree 3 Atated surge voltage inserted, screwed Pollution Degree 3 Atated surge voltage inserted, screwed Volution Terroury (IEC 60664-1) 1 Mochanical data Contour for corrugated hose without Mechanical data Material data Contour for corrugated hose without Mechanical data Material data Coating of fitting nickel plated Coating of fitting nickel plated Ataterial screw connection Zinc die-casting Mechanical data Mounting data Mochanical data Mounting data Mochanical data Mounting data Mounting data Mounting method in serted, screwed, Shaking protection	ECLASS-11.1	
automs tariff number 85444290 2TIN 4048879311380 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 Con	ECLASS-12.0	
Act	ETIM-5.0	
Packaging unit 1 Electrical data Supply Derating voltage DC max. 60 V Derating voltage DC 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 Industrial communi	customs tariff number	
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	
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 Iuppex Full duplex Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Viditional condition protection degree inserted, screwed Pollution Degree 3 Asted surge voltage 1,5 kV Material group (IEC 60664-1) 1 Mechanical data Contour for corrugated hose without Mechanical data Material data Contour for fitting nickel plated Coating of fitting nickel plated Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection	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 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	
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	Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
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 Jocking material Zinc die-casting Methanical data Mounting data Mounting method inserted, screwed, Shaking protection	Data transmission rate max.	100 MBit/s
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
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	dunlex	Full duplex
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 lof fitting nickel plated Locking material screw connection Zinc die-casting Mechanical data Mounting data Mounting data Mounting method inserted, screwed, Shaking protection		T dir daplox
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 material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection		
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
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	Device protection Electrical	
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	
Material group (IEC 60664-1) 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		
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	

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: 2024-05-18



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	Attention: 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	796
Jacket Color	
Type of Certificate	green cURus
Amount stranding	1
Stranding	4 wires around Core 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	69,3 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)	natur
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,4 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
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3 Mio. @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
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 % @ 100 MHz
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)	50000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Loop resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C

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: 2024-05-18



Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m