

M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 1.5m

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

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

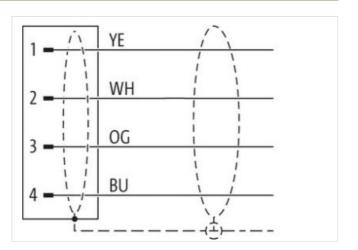
Plastic housings with good resistance against chemicals and oils.

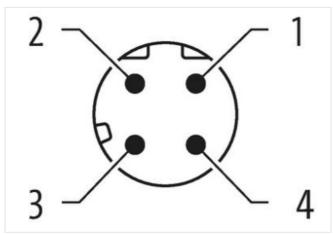
The resistance to aggressive media should be individually tested for your application. Further details on request.

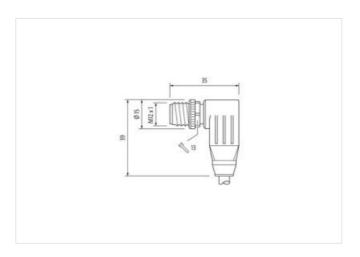
Link to Product

Illustration









Product may differ from Image











Cable length

1,5 m



stay connected

	Side 1	
Section Parameter Parame	Tightening torque	0,6 Nm
Treaded M12 x 1 Debting D Debting De	Mounting method	inserted, screwed
Description	Family construction form	M12
Adams PUR Width across Flats SW13 SW13 SW13 SW13 SW13 SW13 SW13 SW13 SW14	Thread	M12 x 1
Night across fields SW13 Degree of pricection (EN IEC 60529) (PPS, IP66K, IP67 Sitios 2 Sitios 2 Sitios 2 Sitios 2 Sitios 2 Sitios 3 Sitios 2 Sitios 3 Sitios 4 Sitios 3 Sitios 4 Sitio	Coding	
Pega of protection (EN IEC 60529)	Material	
Side 2 Commercial data Commercial data CLASS-6.0 27061801 CLASS-6.1 27063007 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 SITIM- 408879379267 408879379267 STEMS-0 E0002599 Ustoms tariff number 65444290 STIM- 9 60 V Departing participed proportional max. 1.5 A Industrial communication 1.5 A Industrial communication 1.5 A Industrial communication Ethernet functional participed properciped per contact max. 1.0 Malking Industrial communication Ethernet functional participed participed participed per contact max. 1.0 Malking Industrial communication Ethernet functional participed partici		
Stripping length (lacket) 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 10.1 40487378267 CHAST 10.1 40487378267 Packaging unit 1 Electrical data [Supty Poperating voltage DC max. 60 V Purrent operating per contact max. 1,5 A Industrial communication Industrial communication Transfer parameters CAT5, Class D (ISO/IEC 11801-2002), (EN 50173-1) Stata transmission rate max. 100 MBIt's Industrial communication Ethernet functionality Unique you Yell duplex Industrial communication Connection M12 x 1	Side 2	
CLASS 6.0 27061801 27060307 CLASS 8.0 27060307 CLASS 8.1.1 27060307 CLASS 8.1.1 27060307 CLASS 8.1.2 27060307 CLASS 8.1.0 27060307 C	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-12.0 27060307 ETIM-5.0 EC002599 Usustoms tariff number 85444290 ETIM-5.0 EC002599 Usustoms 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 11801 2002), (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 service	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 27060307 CLASS-12.0 27060307 CLASS-12.0 27060307 CLASS-12.0	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 17060307 ECLAS-12.0 17060307 ECLAS-12.0 17060307 ECLAS-12.0 17060307 ECLAS-12.0 17060307 ECLAS-12.0 17060307 ECLAS-12.0 17060307 ECLAS-12	ECLASS-6.1	27060307
CLASS-9.0 27060307 CLASS-9.0.1 27060307 CLASS-9.0.1 27060307 CCLASS-9.0.1 27060307 CCLASS-9.0.1 27060307 CCLASS-12.0 27060307 CCLASS-12.0 27060307 CCLASS-12.0 27060307 CCLASS-12.0 CCCASS-9 CCCA	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 4048879379267 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 Undustrial communication Ethernet functivality Unplex Full duplex Industrial communication Ethernet functivality Unplex Full duplex Industrial communication Ethernet functivality Unplex Pull duplex Industrial communication Ethernet functivality Unplex Full duplex Industrial communication Ethernet functivality Unplex Pull duplex Industrial group (EC 60664-1) 1 Industrial group (IEC 60664-1) 1 Industrial communication Ethernet functivality Operation Electrical Operation Electrical Industrial group (IEC 60664-1) 1 Industrial group group group gr	ECLASS-11.1	
automs tariff number 85444290 BTIN 4048879379267 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 Ourrent operating per contact max. 1,5 A Industrial communication Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1) Out at transmission rate max. 100 MBit/s Industrial communication Ethernet functionality Iupplex 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 Stated 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 Coating of fitting nickel plated Jocking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Inse		
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 Coating locking inserted Zinc die-casting Material screw connection Zinc die-casting Mechanical 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 Violution 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 Coding 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 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 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 Jinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection	Data transmission rate max.	
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 Jinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection	Industrial communication Ethernet fur	octionality
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	·	,
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 Coating affitting nickel plated Adderial screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection		i dii dupiex
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	Mounting set	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	inserted, screwed
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	Pollution Degree	3
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	1,5 kV
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	Material group (IEC 60664-1)	· · · · · · · · · · · · · · · · · · ·
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 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	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		Nickeled
Aderial screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection		
Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection	Locking material	·
Mechanical data Mounting data 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: 2024-05-10



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	. ,
·	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 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weigth	69,3 g/m
Material jacket	PUR
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
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)	0° 08 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	60 °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	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of torsion cycles	4 Mio.
Torsion stress	± 180 °/m