

M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/C 7.0m

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

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

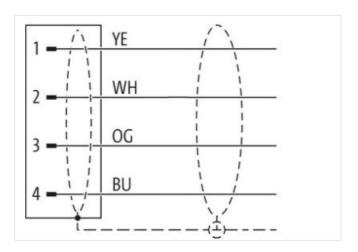
Plastic housings with good resistance against chemicals and oils.

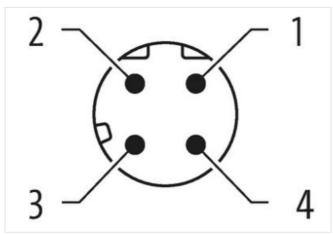
The resistance to aggressive media should be individually tested for your application. Further details on request.

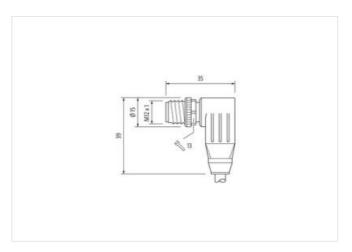
Link to Product

Illustration









Product may differ from Image











Cable length

7 m



stay connected

	Side 1	
Missing Miss	Tightening torque	0,6 Nm
Process M12 x 1	Mounting method	inserted, screwed
December	Family construction form	M12
Adaminal PUR Width across fistas SW13 Site 2 Stripping Ingrift (dacket) 20 mm COMMENCIAL SECTION (EN IEC 60529) Site 2 Stripping Ingrift (dacket) 20 mm COMMENCIAL SECTION (EN IEC 60529) SITE 2 STRIPPING INGRIFT (COMMENCIAL SECTION (EN IEC 60529) CCLASS 6.0 27061801 CCLASS 6.1 27063907 CCLASS 7.0 27063907 CCLASS	Thread	M12 x 1
Width across flats	Coding	
Degree of protection (EN IEC 60528) IP65, IP68K, IP67 Side 2 Signification (EN IEC 60528) Singinging length (jacket) 20 mm COLASS 6.0 27061801 COLASS 7.0 27063007 COLASS 7.0	Material	
Side 2 Commercial data CLASS-R-0 27061801 CLASS-6-1 27060307 CLASS-70 27060307 CLASS-9.0 27060307 CLASS-9.0 27060307 CLASS-11.1 27060307 CLASS-11.1 27060307 CLASS-12.0 27060307 CLASS-12.0 27060307 CLASS-10.1 605509063219 CLASS-10.0 E0002599 CLASS-10.0 E000		
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-10.1 27060307 CLASS-11.1 27060307 CLASS-11.1 27060307 CLASS-11.1 27060307 CLASS-12.0 27060307 ETIM-5.0 EC002599 STIN 40699008219 Packaging unit 1 Electrical data Supply Durrent operating per contact max. 1,5 A Industrial communication For Assard parameters Transfer parameters CAT5, Class D (ISO/IEC 11801.2002), (EN 50173-1) Sabat taramission rate max. 10 MBIt/s Industrial communication Element functionality Unplex Full duplex Industrial communication Element functionality Unplex M12 x 1 Device protection Electrical Motional condition protection degree 3 Value and protection degree 3 Value and protection degree 1,5 kV <td< td=""><td>Side 2</td><td></td></td<>	Side 2	
CLASS-6.0 27061801 27060307 CLASS-8.0 27060307 CCLASS-9.0 27060307 CCLASS-9.0 27060307 CCLASS-9.0 27060307 CCLASS-9.0 27060307 CCLASS-1.1 27060307 CCLASS-1.1 27060307 CCLASS-1.1 27060307 CCLASS-1.1 27060307 CCLASS-1.2 270603	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 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-13.0 ECO02599 usustoms tariff number 85444290 STIN 4065909083219 Tarakaging unit 1 Electrical 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 (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August a manufaction Ethernet functionality Deparating voltage DC max. 100 MBitrs Industrial communication Ethernet functionality August a manufaction Ethernet functionality Deparating voltage M12 x 1 Device protection Electrical Volution Degree 3 Sational Connection Volution Degree 3 Sational Connection Iso Manufaction Iso Manufacti	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 27080307 CLASS-12.0 27080307 CLASS-12.0 27080307 CLASS-12.0 27080307 CLASS-12.0 27080307 CLASS-12.0 CLASS-12.0 27080307 CLASS-12.0 CLASS-	ECLASS-6.0	27061801
CLASS-8.0 27060307	ECLASS-6.1	27060307
CLASS-9.0 27060307	ECLASS-7.0	27060307
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 usustoms tarff number 85444290 STIIN 40605008219 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Derrent operating per contact max. 1.5 A Industrial communication Irransfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBil/s Industrial communication Ethernet functionality Upperating voltage DC max. 100 MBil/s Industrial communication Ethernet functionality Upperating voltage DC max. 100 MBil/s Industrial communication Ethernet functionality Upperating voltage MBil/s	ECLASS-8.0	27060307
ECLASS-1.1.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 sustoms tarff number 85444290 3TIN 4065903069219 ackaging unit 1 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) Data transmission rate max. 100 MBib's Industrial communication Ethernet functionality Upuplex Full duplex Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Call protec	ECLASS-9.0	27060307
ECLASS-12.0 27060307 ETIM-5.0 EC002599 sustoms tariff number 85444290 3TIN 4065909069219 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) Data transmission rate max. 100 MBit/s Industrial communication Ethernet functional industrial communicational industrial industrial communicational industrial industrial communicational industrial communicational industrial industrial communicational industrial industrial communicational industrial indu	ECLASS-10.1	27060307
ETIM-5.0 EC002599 sustoms tariff number 85444290 STIN 406590969219 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) Stata transmission rate max. 100 MBit/s Industrial communication Ethernet functionality Unique May 100 MBit/s Unique May 100 MBit/s Industrial communication Ethernet functionality Unique May 100 MBit/s Industrial communication Ethernet functionality Unique May 100 MBit/s Industrial group (IEC 60664-1) Industrial communicationality Industrial group (IEC 60664-1) Industrial communicationality Unique May 100 MBit/s Unique May 100 MBit/s Industrial communication Ethernet functionality Unique May 100 MBit/s Industrial communication Ethernet functionality Unique May 100 MBit/s Industrial communication Ethernet functionality Unique MBit/s Industrial communication Ethernet functionality Industrial communication Ethernet functionality Unique MBit/s Industrial communication Ethernet functionality Unique MBit/s Industrial communication Ethernet functionality Unique MBit/s Industrial communication Ethernet functionality Industrial com	ECLASS-11.1	
automs tariff number 85444290 DaTIN 406599969219 Packaging unit 1 Electrical data Supply Dorrating voltage DC max. 60 V Dorrating per contact 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 functionality Industrial communication Ethernet functionality Industrial communication Ethernet functionality Industrial Connection Industrial Connection Industrial Connection Industrial Connection Industrial Connection Installation Connection <	ECLASS-12.0	
Arrin 4065909069219 Packaging unit 1 Electrical data Supply Departang voltage DC max. 60 V Durrent operating per contact max. 1,5 A Industrial communication Fransier parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Deta transmission rate max. 100 MBit/s Industrial communication Ethernet functionality Ruplex Full duplex Industrial communication Ethernet functionality Ruplex Full duplex Industrial communication Ethernet functionality Ruplex Full duplex Industrial communication Ethernet functionality Ruplex Material properties of the prop	ETIM-5.0	
Packaging unit 1 Electrical data Supply Deparating voltage DC max. 60 V Deparating 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 Buplex Full duplex Industrial communication Ethernet functionality Buplex Full duplex Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Depre 3 Palated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Donotor for corrugated hose without Mechanical data Material data Docating locking Nickeled Docating of fitting nickel plated Jinc die-casting Methanical data Mounting data Mounting method inserted, screwed, Shaking protection	customs tariff number	
Electrical data Supply Operating voltage DC max. 60 V Ourrent operating per contact max. 1,5 A Industrial communication Firansfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Outat transmission rate max. 100 MBit/s Industrial communication Ethernet tunctionality Upplex 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 Alterda surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Coating of lifting nickel plated Joaching locking Nickeled Joaching locking Nickeled Joaching locking Nickeled Joaching locking Zinc die-casting Methanical data Mounting data Mounting method inserted, screwed, Shaking protection		
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 duplex 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 Alaterial group (IEC 60664-1) 1 Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking inserted Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection	Packaging unit	1
Current operating per contact 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 duplex 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 locking inserted in ickel plated Locking material Zinc die-casting Methanical data Mounting data Mounting method inserted, screwed, Shaking protection Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection	Electrical data Supply	
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 group (Iechologe inserted, screwed of inserted	Operating voltage DC max.	60 V
Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication Ethernet functionality duplex 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 Methanical 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 duplex 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 corrugated without Methanical data Muniting 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 duplex 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 corrugated without Methanical data Muniting 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 Jocking material Zinc die-casting Material screw connection Zinc die-casting Mechanical 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 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	Industrial communication Ethernet fur	actionality
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 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 of fitting nickel plated Locking material Locking material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection		Tull dapox
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 Coating 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	
Acted 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 Cocking 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 Coating of fitting Coating of fitting Cocking material Cocki		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
Locking material Zinc die-casting Material 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 Climatic	



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	796
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1 4 wires around Core filler twisted
Stranding Cable chiefding (type)	
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 CONTRACTOR OF THE PURPLE O
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 - acket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Loop resistance	5000 MΩ × km
Loop resistance	

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: 2024-05-21



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