

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

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 30m

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

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

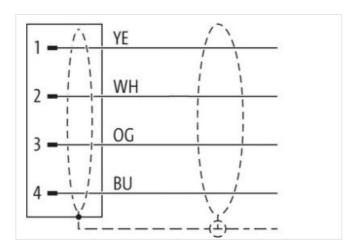
Plastic housings with good resistance against chemicals and oils.

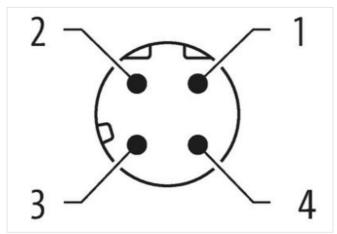
The resistance to aggressive media should be individually tested for your application. Further details on request.

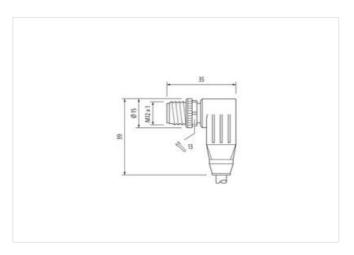
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

30 m



stay connected

Tightening bacque         0.8 Mm           Maunting method         insented, screwed           Family construction form         M12           Thread         M12 x 1           Coding         D           Material         PUR           Worth across files         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Sifting of protection (EN IEC 60529)           Strong of protection (EN IEC 60529)           Commercial data           Commercial data           ECILASS-6.0         20 F085007           ECILASS-7.0         20 F085007           ECILASS-7.0         20 F085007           ECILASS-9.0         20 F085007           ECILASS-11.1         20 F085007           ECILASS-12.0	Side 1			
Family construction form M12 x 1 Cooling M12 x 1 Cooling D  Material PUR  With across filiss SW13 Degree of protection (EN IEC 00528) IP65, IP66K, IP67 Side 2 Side 2 Side 3 Sile 3 Sile 3 Sile 5 Side 3 Sile 5 Side 5 Side 5 Side 5 Side 6 Sile 6 Sile 6 Sile 7 Side 7 Side 8 Sile 9 Side 8 Sile 9 Sile 9 Side 9 Sile 9 Side 9 Side 9 Side 9 Sile	Tightening torque	0,6 Nm		
Thread	Mounting method	inserted, screwed		
Cooling         D           Material         PUR           Width across fials         SW13           Degree of protection (EN IEC 60529)         IPPS, IPGK, IPG7           Side 2         SW19ping length (jacket)           SW19ping length (jacket)         20 mm           Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-1.2.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.0.1         27060307           ECLASS-1.0.1         27060307           ECLASS-1.0.1         27060307           ECLASS-1.0.1         27060307           ECLASS-1.1.1         27060307           ECLASS-1.2.1         27060307	Family construction form	M12		
Medical (with across fials)         PUR           Width across fials         SM3           Obegree of protection (EN IEC 60529)         PP65, IP66K, IP67           Side 2         Stripping length (lacket)         20 mm           Commercial (lacket)         20 mm           CELASS-6.0         27061801           ECLASS-6.1         27068307           ECLASS-7.0         27068307           ECLASS-8.0         27068307           ECLASS-1.1         27068307           ECLASS-1.1         27068307           ECLASS-1.1         27068307           ECLASS-1.1         27068307           ECLASS-1.1         27068307           ECLASS-1.1         27068307           ECLASS-1.1.1         27068307           ECLASS-1.2.0         27068307	Thread	M12 x 1		
Width across flats         SW13           Degree of protection (ENIEC 60529)         PP5, IP66K, IP67           Stile 2         PP5, IP66K, IP67           Sulpping length (jacker)         20 mm           Commercial date           ECIASS-6.0         270680307           ECIASS-7.0         270680307           ECIASS-8.0         270680307           ECIASS-9.0         270680307           ECIASS-9.1.1         270680307           ECIASS-1.2.0         270680307           ECIASS-1.1.1         270680307           ECIASS-1.2.0         270680307 <th <="" colspan="2" td=""><td>Coding</td><td></td></th>	<td>Coding</td> <td></td>		Coding	
Degree of protection (EN IEC 60529)         IP65, IP68K, IP67           Side 2           Commercial date           ECLASS 6.0         27061801           ECLASS 6.1         27060907           ECLASS 7.0         27060907           ECLASS 8.0         27060907           ECLASS 8.0         27060907           ECLASS 9.0         27060907           ECLASS 9.1.1         27060907           ECLASS 9.1.2.0         27060907           ECLASS 9.1.1         27060907           ECLASS 9.1.2.0         27060907           ECLASS 9.1.0         27060907           ECLASS 9.1.0 <th< td=""><td></td><td></td></th<>				
Side 2           Commercial data           ECLASS-R.0         27061801           ECLASS-R.0         27060807           ECLASS-R.1         27060807           ECLASS-R.0         27060807           ECLASS-R.0         27060807           ECLASS-R.0         27060807           ECLASS-R.0         27060807           ECLASS-R.0         27060807           ECLASS-R.1.1         27060807           ECLASS-R.0         270608007           ECLASS-R.0 <td< td=""><td></td><td></td></td<>				
Commercial data	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67		
Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27090307           ETIM-5.0         EC002599           Dustons staff number         85444290           GTIN         404887988655           Packaging unit         1           Electrical data! Supply         Department operating per contact max.           Current operating per contact max.         1,5 A           Industrial communication         Transfer parameters           Cartes (Lasse D) (ISO/IEC 11801-2002), (EN 50173-1)           Dubta transmission rate max.         100 MBit/s           Industrial communication   Ethernet functivality           Studies (Steph)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Ralact ague voltage         1,5 kV           Material group (IEC 60664-1)         1 <td>Side 2</td> <td></td>	Side 2			
ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         ECOES99           Ductions fariff number         85444290           GTIN         4048879868655           Peckaging data         1           Electrical data   Supply         User an operating por contact max.           Operating voltage DC max.         60 V           Current operating por contact max.         1.5 A           Industrial communication         User an operating por contact max.           Transfer parameters         CAT5, Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         10 MBit/s           Industrial communication   Element functionality           Stripping length (jacket)         20 mm           Mounting set         MI2 x 1           Device protection   Electrical           Auditional condition protection degree         inserted, screwed           Pollution Degree	Stripping length (jacket)	20 mm		
ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 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 ECOCOSS99 CUDITION 4048879868655 Packaging 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 varamission rate max. 100 MBit's Industrial communication   Ethernet functionality duplex Full duplex Installation   Connection  Stirping 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) 1  Mechanical data   Material data Contour for corrugated hose without   Mechanical data   Material data Coating locking Nickeled Coating locking Nickeled Coating locking Nickeled Coating of fitting nickel plated Locking material Locking material Locking material Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection	Commercial data			
ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27090307           ETIM-5.0         EC02589           customs tariff number         85444290           GTIN         404887986855           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801.2002), (EN 50173-1)           Data transmission rate max.         100 MBNs           Industrial communication   Element functionality           duplox         Full duplox           Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         Max 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)	ECLASS-6.0	27061801		
ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         EC002599           customs tariff number         85444290           GTIN         4048879868655           Packaging unit         1           Electrical data   Supply         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 MBl/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           Mechanic	ECLASS-6.1	27060307		
EGLASS-9.0         27060307           EGLASS-10.1         27060307           EGLASS-11.2         27060307           EGLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879868655           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         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           Installation   Connection           Stripping length (jackel)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Reted surge voltage         1,5 kV           Material group (ICC 60664-1)         1           Mechanical data   Material data         Controlur for corrugated hose         without	ECLASS-7.0	27060307		
ECLASS-10.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879808655           Packaging 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 ((SO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBil/s           Industrial communication   Ethernet functionality           duplex           Industrial communication   Ethernet functionality           duplex           Industrial communication   Ethernet functionality           Mounting ethical (Santh)           Data transmission rate max.         100 MBil/s           Industrial communication   Ethernet functionality           Mounting (santh) (apset)           Data transmission rate max.           Data transmission rate max.           Da	ECLASS-8.0	27060307		
ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         EC002599           customs tariff rumber         85444290           GTIN         404887986855           Packaging unit         I           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 MBit/s           Industrial communication   Ethernet functionality           dul duplex           Industrial communication   Ethernet functionality           Moderate optoction   Ethernet functionality           Additional condition protection degree         inserted, screwed           Poliucion Degree         3           Rated surge voltage         1,5 kV <td>ECLASS-9.0</td> <td>27060307</td>	ECLASS-9.0	27060307		
ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879868655           Packaging 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 MBit/s           Industrial communication   Ethernet functivality           duplex           Industrial communication   Ethernet functivality           Multiple (Stripe Ingulation) 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 data           Contour for corrugated hose         without           Mechanical data		27060307		
ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879868655           Packaging unit         1           Electrical data   Supply         User and perating port contact max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         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         With a supply of the suppl				
customs tariff number         85444290           GTIN         4048879888655           Packaging 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 MBit/s           Industrial communication   Ethernet functionality           duelpex         Bil 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)         1           Mechanical data   Material data           Contour for corrugated hose         without           Mechanical data   Material data           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw co				
GTIN         4048879868655           Packaging 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 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 5066-1)         I           Mechanical data         Contour for corrugated hose         without           Mechanical data   Material data         Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Meterial screw connection         zinc die-casting           Meterial screw connection         inserted, s				
Packaging 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 MBit/s           Industrial communication   Ethernet functionality           dulplex         Full duplex           Installation   Connection         Stripping length (jacket)           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         I           Contour for corrugated hose         without           Mechanical folial   Material data         I           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection				
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 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) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material Zinc die-casting  Methanical data   Mounting data  Munting method inserted, screwed, Shaking protection  Mechanical data   Mounting data  Munting method inserted, screwed, Shaking protection				
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 MBit/s           Industrial communication   Ethernet functionality         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           Coating Jocking         Nickeled           Coating Jocking         Nickeled           Coating Jocking         Nickeled plated           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial screw connection         Inserted, screwed, Shaking protection	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 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)   Mechanical data   Material data Coating locking Nickeled Coating locking nickel plated Locking material Zinc die-casting Meterial screw connection Zinc die-casting Meterial screw connection Zinc die-casting Meterial group ented data   Mounting data Mounting method inserted, screwed, Shaking protection	Electrical data   Supply			
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) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking without without  Coating locking nickel plated  Locking material Screw connection inserted, screwed, Shaking protection inserted, screwed inserted, screwed  Mechanical data   Munting data  Mechanical data   Munting data  Mechanical data   Munting method inserted, screwed, Shaking protection	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 Screw connection inserted, screwed, Shaking protection inserted, Screwed, Shaking	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  Locking material  Methanical data   Mounting data  Mechanical data   Mounting data  Mechanical data   Mounting data  Mechanical data   Mounting data  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  Locking material  Methanical data   Mounting data  Mechanical data   Mounting data  Mechanical data   Mounting data  Mechanical data   Mounting data  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) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Size we connection inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		100 MBit/s		
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  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Industrial communication   Ethernet func	tionality		
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  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  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	•	Типопрох		
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				
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	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  Locking 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  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Device protection   Electrical			
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		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  Locking 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 Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		1,5 kV		
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		<u> </u>		
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 Locking 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		nickel plated		
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		Zinc die-casting		
Mounting method inserted, screwed, Shaking protection	Material screw connection	Zinc die-casting		
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	<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	800
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler star-shaped twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Foil
Filler	yes
vire arrangement	yellow, blue, orange, white
Fraversing distance (C-track)	5 m @ 25 °C
Cable weigth	73,7 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	6,6 mm
Folerance outer diameter (sheath)	±5%
Material inner jacket	FRNC
Color (inner jacket)	natur
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,53 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
ngredient 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 % @ 1 MHz
Electrical resistance line constant wire	55 Ω/km @ 20 °C
C 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
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-10 °C
Operating temperature max. (dynamic)	70 °C



Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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)	5 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C