

## M12 male 0° / M12 female 0° D-cod. shielded

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 1m

Ethernet CAT5
Further cable lengths on request.
Male straight – female straight
M12 – M12, 4-pole
D-coded
shielded
USA

Transmission properties with channel transmission up to 100 m

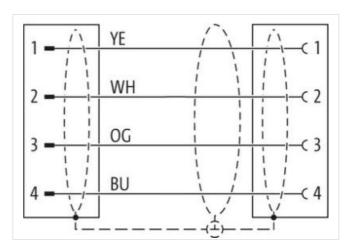
Plastic housings with good resistance against chemicals and oils.

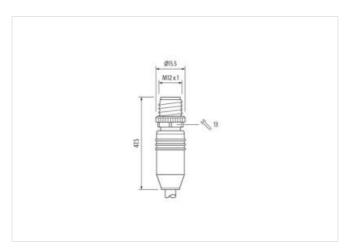
The resistance to aggressive media should be individually tested for your application. Further details on request.

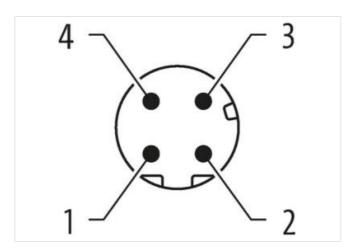
## **Link to Product**

## Illustration



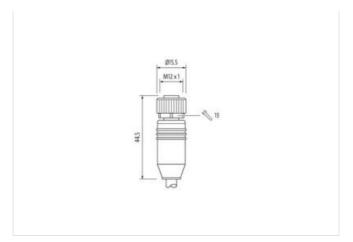


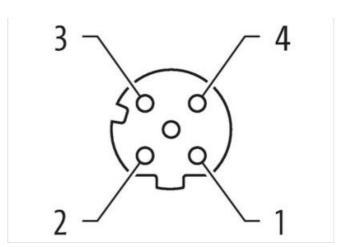






stay connected





Product may differ from Image









Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	D
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	D
No. of poles	4
Width across flats	SW13
Commercial data	
ECLASS-6.0	27061801
ECLASS-7.0	27061801
ECLASS-8.0	27061801
ECLASS-9.0	27061801
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4048879603928
Packaging unit	1
Electrical data   Supply	



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Industrial communication Transfer parameters CATS, Class D (ISC/IEC 11801 2002), (EN 50173-1) Data framemission rate max. 100 MBIts Industrial communication   Ethernet functionality Upupox Full displax  Polivisio protection   Electrical  Degree of prosection (EN IEC 60529) PPS, IPPS, IPPS, IPPS (IPPS)  Redditional condition protection degree inserted, screwed  Pollution Degree 3 3  Rated surpe vortage 1,5 KV  Material group (IEC 60641) 1  Mechanical data  Control for corrugated hose without Mechanical data   Mechanical data   Muniting data   Mu	Operating voltage DC max.	60 V	
	Current operating per contact max.	1,5 A	
Data transmission rate max. 100 MBM/s industrial communication   Ethernet functionality tuples   Full duples   Ful			
Data transmission rate max. 100 MBM/s industrial communication   Ethernet functionality tuples   Full duples   Ful	Transfer parameters	CAT5_Class D (ISO/IEC 11801-2002) (EN 50173.1)	
Public   Process   Proce	•		
duplex         Full duplex           Device protection   Electrical           Device protection   Electrical           Degree of protection   Electrical           Deprise of protection (EN ICC 60629)         IPS68, IPS7, IPS6K           Additional controllion protection degree         3           Additional Controllion protection degree         1,5 kV           Marchanical data         Without           Mechanical data   Material data           Conting beding         nickel plated           Conting beding         Zinc die casting           Mechanical data   Mounting data         Zinc die casting           Mechanical properation         Zinc die casting           Mechanical properation of the plated         Zinc die casting           Mechanical data   Mounting data         Zinc die casting           Mechanical data   Mounting data         Zinc die casting           Mechanical properation of the plated         Zinc die casting           Mounting method         Inserted, serwed, Shaking protection           Environmental characteristics   Climatic           Environmental characteristics   Climatic           Depending preparature max.         25 °C           Operating temperature max.         85 °C           Action of plate plated (an article plated)         Zinc plate			
Degree of protection (EN IEC 60529)			
Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV  Macerial group (IEC 606641) I  Machanical data   Material data   Macerial data	duplex	Full duplex	
Additional condition protection degree inserted, screwed  Pollution Degree 3  Radiad surge voltage 1,5 k V  Material group (IEC 60664-1) I  Mochanical data  Contror for corrugated hose without  Machanical data Material data  Contror for corrugated hose without  Machanical data Material data  Contror for corrugated hose without  Machanical data Munting data  Mochanical mochanical Munting data  Mochanical mochanical Munting data  Mochanical mochanical Munting data  Additional condition temperature range  depending on cable quality  Mochanical mochanical loads, e.g. by the usage of cable lites.  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 81076-2-101 (M12)  Installation   Cable  Installation   Cable  DIN EN 81076-2-101 (M12)  Installation   Cable  Jakele Color  green  Jakele Color	Device protection   Electrical		
Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 606841)         I           Mechanical data         without           Centrour for corrugated hose         without           Mechanical data   Material data         Zinc die casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature man.         45 °C         Coperating temperature man.         45 °C           Operating temperature range         depending on cable quality         Mounting adults         Attention: Observe the permissible measures from mechanical loads, e.g. by the usage of cable ties.           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         S7V           Jacket Color         green           Cable identification         S7V <tr< td=""><td>Degree of protection (EN IEC 60529)</td><td>IP65, IP67, IP66K</td></tr<>	Degree of protection (EN IEC 60529)	IP65, IP67, IP66K	
Rated surge voitage 1,5 kV Material group (IEC 60684-1) I  Contour for corrugated hose without  Mechanical data   Material data  Coating locking nickel plated  Coating locking locking nickel plated  Coating locking locking nickel plated  Coating locking locking nickel plated  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contormity  Coating locking locking nickel plated  Coating locking locking nickel plated  Coating locking nickel plated  Coating locking nickel plated  Coating locking nickel plated  Amount stranding 2  Stranding (type 2)  Stranding (type 2)  Coating locking (type)  Coating shielding (type)  Coating locking (type)  Coating shielding (typ	Additional condition protection degree	inserted, screwed	
Material group (EC 60664-1)  Mochanical data  Contour for corrugated hose without  Coating locking nickel plated Locking material Zinc die casting  Mechanical data   Material data  Coating locking nickel plated Locking material Zinc die casting  Mechanical data   Munting data  B 5 °C  Additional condition temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  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 S7V  Cable identification S7V  Cable identification   S7V  Stranding (yep 2) 2 2 wires twisted  Annount stranding (yep 2) 1  Stranding (yep 2) 2 2 Stranded joints wisted  Cable shielding (yep 2) 2 2 Stranded joints wisted  Cable shielding (yep 2) 3 1  Stranding (yep 2) 4 Stranded joints wisted  Cable shielding (yep 2) 5 75 %  Banding (yep 2) 6 Stranded joints wisted  Cable shielding (yep 2) 75 %  Banding (yep	Pollution Degree	3	
Mechanical data   Material data   Mounting data   Mounting method   Inserted, screwed, Shaking protection   Mechanical data   Mounting method   Inserted, screwed, Shaking protection   Material dependent of the material data   Mounting method   Inserted, screwed, Shaking protection   Material districts   Climator   Moperating temperature min.   25° C   Moperating temperature min.   25° C   Moperating temperature max.   85° C   Modification condition temperature range   depending on cable quality   Ministricts   Moterial with early and protection temperature range   Moterial with early and protection data scan be endangered by screening temperature from mechanical loads, e.g. by the usage of cable ties.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by screening to protect data when laying cables, as the IP protection class can be endangered by screening to protect data when laying cables, as the IP protection class can be endangered by screening to protect data when laying cables, as the IP protection class can be endangered by screening to protect data when laying cables, as the IP protection class can be endangered by screening to protect data when laying cables, as the IP protection class can be endangered by screening to protect data when laying cables, as the IP protection class can be endangered by screening to protect data when laying cables, as the IP protection class can be endangered by screening to protect data when laying cables, as the IP protection class can be endangered by screening to protection of the protection class can be endangered by screening to protection class can be endangered by	Rated surge voltage	1,5 kV	
Controur for corrupated hose without  Mechanical data   Material data Coating looking nickel plated Locking material Standard Mechanical data   Mounting data  Mechanical data   Mounting data Mechanical characteristics   Climatic  Deperating temperature min.	Material group (IEC 60664-1)		
Mechanical data   Material data         Incide plated           Coating locking         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Userating temperature min.         -25°C           Operating temperature max.         85°C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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 enhangered by excessive bending forces.           Conformity         Protect standard         DIN EN 61076-2-101 (M12)           Installation   Cable         S7V           Jacket Color         green           Jacket Color         green           Jacket Color         green           Jacket Color         green           Jacket Stranding (type 2)         1           Stranding (type 2)         2 Stranding time tistending (type 2)           Gable shielding (coverage) </td <td>Mechanical data</td> <td></td>	Mechanical data		
Coating locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  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  Conformity  Cable identification   S7V    Lacket Color green    Cable identification   S7V    Lacket Color green    Cable identification   2    Stranding (type 2)   1    Stranding (type 2)   2    Stranding (type 2)   2    Stranding (type 2)   2    Stranding (type 2)   5 %    Salanding (coverage)   75 %    Salanding (wire arrangement (white, blue), (orange, yellow)    Cable shielding (coverage)   74,8 g/m    Material jacket   TPE    Freedom from ingredients (jacket)   1,98 mm    Freedom from ingredients (jacket)   1,98 mm    Freedom from ingredients (jacket)   1,98 mm    Loud (Lacket)   1	Contour for corrugated hose	without	
Coating locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  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  Conformity  Cable identification   S7V    Lacket Color green    Cable identification   S7V    Lacket Color green    Cable identification   2    Stranding (type 2)   1    Stranding (type 2)   2    Stranding (type 2)   2    Stranding (type 2)   2    Stranding (type 2)   5 %    Salanding (coverage)   75 %    Salanding (wire arrangement (white, blue), (orange, yellow)    Cable shielding (coverage)   74,8 g/m    Material jacket   TPE    Freedom from ingredients (jacket)   1,98 mm    Freedom from ingredients (jacket)   1,98 mm    Freedom from ingredients (jacket)   1,98 mm    Loud (Lacket)   1	Mechanical data   Material data		
Mechanical data   Mounting data   Mounting method   Inserted, screwed, Shaking protection	·	nickel plated	
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  85 °C  Additional condition temperature max.  85 °C  Additional condition temperature max.  86 oc  Additional condition temperature max.  Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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  S7V  Jacket Color  green  Type of Certificate  Atmount stranding  2 Stranding  (type 2)  2 Stranded joints twisted  Amount stranding (type 2)  2 Stranding (type 2)  2 Stranding (type 2)  3 Stranding (type 2)  5 %  Banding  Foil  wire arrangement  (white, blue), (orange, yellow)  Cable shielding (coverage)  7 5 %  Banding  Foil  wire arrangement  (white, blue), (orange, yellow)  Cable weight  74,8 g/m  Material jacket  Freedom from ingredients (jacket)  Lead-free, CFC-free, halogen-free  Outer-diameter (jacket)  Attention: Attention  HDPE  Amount wires  4		·	
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.			
Environmental characteristics   Climatic Operating temperature min25 °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. 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 S7V Jacket Color green Cype of Certificate cURus Amount stranding (type 2) Stranding 2 wires twisted Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) 75 % Banding Foil wire arrangement (white, blue), (orange, yellow) Cable weight 74,8 g/m Material jacket Tele Freedom from ingredients (jacket) 1-87 mm Material jacket (sheet) 2-58 mm Material wire usual cut and material packet (sheet) 1-87 mm Material wire usual cut of diameter (sheath) 2-58 % Material wire insulation HDPE Amount wires 4	•	Southed account Obelian autority	
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.  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 S7V  Jacket Color green Type of Certificate cURus  Amount stranding 2 vires twisted  Amount stranding (type 2) 1 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type 2) 2 copper braid, tinned  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 75 %  Banding Foil  wive arrangement (white, blue), (orange, yellow)  Cable weight 74.8 g/m  Material jacket TPE  Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free  Outer-diameter (jacket) 7,87 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation HDPE  Amount wires 4	Mounting method	inserted, screwed, Shaking protection	
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.  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 S7V  Jacket Color green Type of Certificate cURus  Amount stranding 2 wires twisted  Amount stranding (type 2) 1 stranded joints twisted  Cable shielding (type 2) 2 Stranded joints twisted  Cable shielding (type 2) copper braid, tinned  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 75 %  Banding Foil  wire arrangement (white, blue), (orange, yellow)  Cable weight 74,8 g/m  Material jacket TPE  Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free  Outer-diameter (jacket) 7,87 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation HDPE  Amount wires 4	Environmental characteristics   Climatic		
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.  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 S7V  Jacket Color green Type of Certificate cURus  Amount stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 75 %  Bandring Foil  wire arrangement (white, blue), (orange, yellow)  Cable weigth 74,8 g/m  Material jacket TPE  Freedom from ingredients (jacket) 7,87 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation HDPE  Amount wires 4	Operating temperature min.	-25 °C	
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Cable shielding (coverage) 75 %  Banding Foil wire arrangement (white, blue), (orange, yellow)  Cable weigth 74,8 g/m  Material jacket TPE  Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free  Outer-diameter (jacket) 7,87 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation HDPE  Amount wires 4			
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Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 7,87 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation HDPE Amount wires 4	Cable weigth		
Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free  Outer-diameter (jacket) 7,87 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation HDPE  Amount wires 4	Material jacket		
Outer-diameter (jacket) 7,87 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation HDPE  Amount wires 4	Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free	
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation HDPE  Amount wires 4	Outer-diameter (jacket)		
Material wire insulation HDPE Amount wires 4	Tolerance outer diameter (sheath)	±5%	
	Material wire insulation	HDPE	
Outer diameter insulation 1,47 mm	Amount wires	4	
	Outer diameter insulation	1,47 mm	



Outer diameter tolerance core insulation	± 5 %
Ingredient 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.	600 V
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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
Travel speed (C-track)	35 Mio. @ 25 °C
No. of torsion cycles	5 Mio. 25 °C
Torsion stress	± 180 °/m