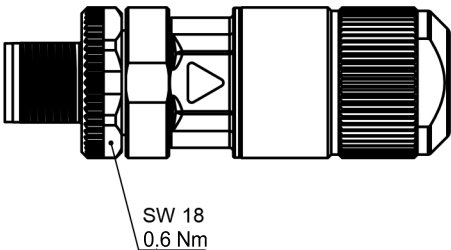
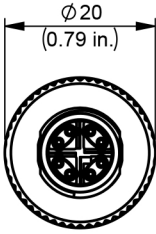
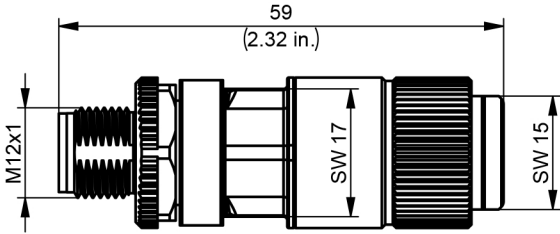
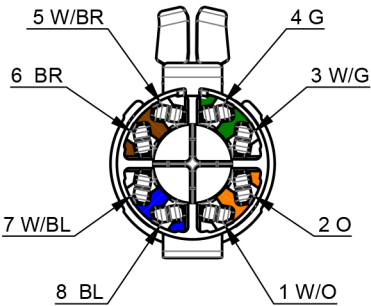


STX M12x1 CP X-coded Cat.6_A
CP8X180-3-5IDC590FA000



Pin assignment X-coded according to IEC 61076-2-109



Part No.	Description	Barcode EAN 13	Pkg. Qty
J80026A0100	STX M12x1 CP X-coded Cat.6 _A CP8X180-3-5IDC590FA000	4018359434724	1

Part No.	Packing	Standard Pack	Carton	Pkg. Qty	Carton	Pkg. Qty	Outer carton
J80026A0100	1 pc. in blister pack, one mounting information	1 pc. in blister pack	-	10 blister packs in carton	280x135x103 [mm]	5 cartons in outer carton	330x305x270 [mm]

Optional

Part No.	Description	Pkg. Qty
N80050A0001	Torque wrench 0.6Nm 18AF	1

Technical Data	
Connector Standard	IEC 61076-2-109
Mechanical Characteristics	
Insertion force	≤ 30 N
Life (mating cycles)	≥ 100
Materials *	
Connector housing	Brass nickel-plated
Wire presorting	PA UL94 V0 white
Contact housing	PA UL94 V0
Clamp cage	PA UL94 V0
IDC-contacts	Bronze, min 3...6µm Sn plated
Shield contact	German silver
Contact finish	min. 0.8 µm Au on 1.2 µm Ni
Sealings	NBR
Directive 2011/65/EU (RoHS)	RoHS-compliant
Wire Connection	
Cu-conductor diameter	Solid 0.51 – 0.64mm AWG24 – AWG22/1 Stranded 0.46 – 0.76mm AWG27 – AWG22/7
Insulation diameter	1.0 - 1.6mm
Reusable IDC	≤ 4x
Cable diameter	5.0 - 9.0mm
Environmental Requirements	
Mechanical	
Shock	490 ms ⁻²
Vibration sinusoidal (10Hz - 500Hz)	50 ms ⁻²
Protection against Ingress	
Particulate ingress	IP6X **
Water / Immersion	IPX7 **
Pollution degree	3
Climatical and Chemical	
Ambient temperature	-40°C to +85°C

* All Materials free of halogen and silicone.

** Technical data applies to M12x1 products to IEC 61076-2-109 standard and the appropriate combinations of IP67 plugs and sockets.

Technical Data	
Electrical Characteristics	
Insulation resistance	≥ 100 MΩ
Contact resistance	≤ 15 mΩ
Voltage Proof	
Power frequency withstand voltage Contact-Shield	≥ 0.5 kV
Power frequency withstand voltage Contact-Contact	≥ 0.5 kV
Overvoltage category	II
Rated voltage ***	50 V / AC, 60 V / DC
Rated impulse voltage	0.8 kV
Current carrying capacity at 40°C	0.5 A
PoE+ according to IEEE 802.3at	Adequate for Power over Ethernet+
Transmission Performance ****	
10 Gigabit Ethernet acc. to IEEE 802.3an	Adequate for 10 Gigabit Ethernet
Category 6 _A	ISO/IEC 11801; DIN EN 50173-1
Class E _A	ISO/IEC 11801; DIN EN 50173-1
Standards	
Degrees of protection provided by enclosures (IP code)	IEC 60529
UL Standard for Communication circuit Accessories	UL 1863
Generic cabling systems	ISO/IEC 11801; DIN EN 50173-1
Approval	
UL listed	E244889

*** The rated voltage is based on pollution degree 2

**** The editions of the aforementioned standards by the time of 01.29.2018 are valid