

order number: J80026A0100

STX M12x1 CP X-cod. Cat.6<sub>A</sub>, CP8X180-3-5IDC590FA000

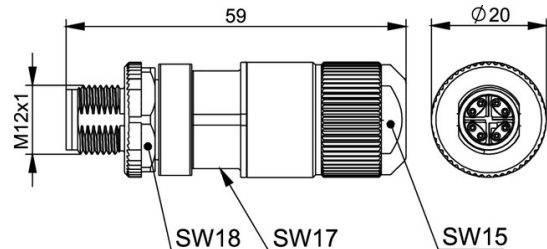


Fig. may differ



Technical Attributes	
Description	STX M12x1 CP X-cod. Cat.6 <sub>A</sub>
Short name	CP8X180-3-5IDC590FA000
Type	8 pole, X-coded, straight, plug set, 360° shielding, IDC, plug length: 59 mm, field assembly

Mechanical Characteristics	
Core Diameter	0,9 - 1,6 mm
Durability (Matings)	≥ 100
Cu-Conductor diameter: stranded	0.46 - 0.76 mm (AWG27 - 22/7)
Cu-Conductor diameter: solid	0.51 - 0.64 mm (AWG24 - 22/1)
Insertion force	≤ 30 N
Material: contacts	CuSn
Material: wire pair presorting	PA UL94 V0
Material: shield	German silver
Material: pressure screw	brass nickel-plated
Material: housing	zinc diecast nickel plated / brass nickel plated
Material: contact body	PA

Material: contacts	CuSn
Material: contact finish	Au
Material: seal	FKM; NBR

Electrical Characteristics	
PoE+ acc to IEEE 802.3at	Adequate for Power over Ethernet+
Contact resistance	$\leq 5 \text{ M}\Omega$
Voltage proof: contact-contact	$\geq 500 \text{ V, DC}$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Voltage proof: contact-shield	$\geq 500 \text{ V, DC}$

Standards	
Connectors	IEC 61076-2-109

Shock	50 g
Protection against particulate ingress	IP6X
Protection against water / immersion	IPX7
Ambient temperature	-40° C to +85° C

10 Gigabit Ethernet acc. to IEEE 802.3an	Adequate for 10 Gigabit Ethernet
Category 6 <sub>A</sub>	ISO/IEC 11801; DIN EN 50173-1
Class E <sub>A</sub>	ISO/IEC 11801; DIN EN 50173-1
Category 6A	ANSI/TIA/EIA-568-C.2