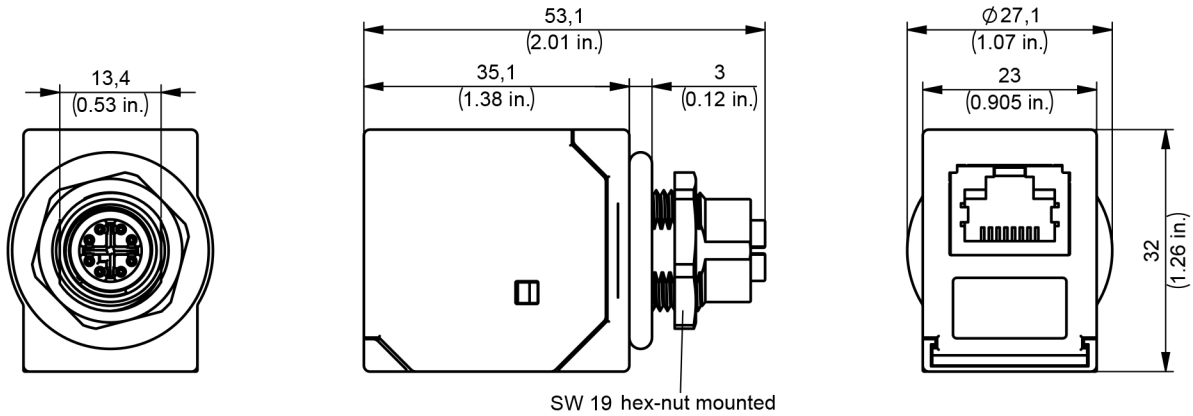
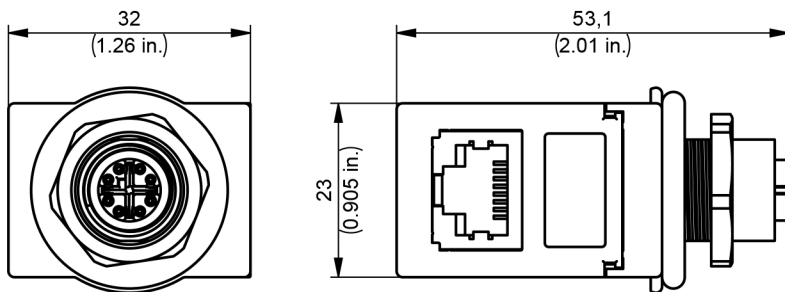


CO-8X-180-45-180-C6A000 - straight 180°

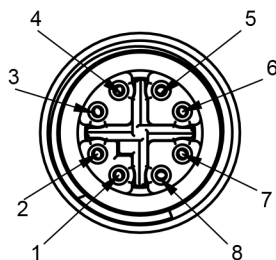


CO-8X-180-45-090-C6A000 - angled 90°

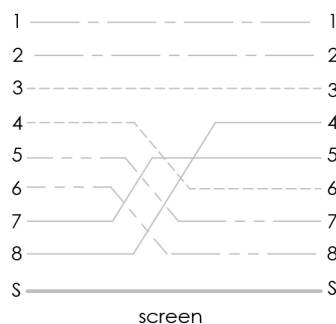


Connection Diagram / pin assignment

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

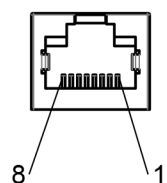


M12



RJ45

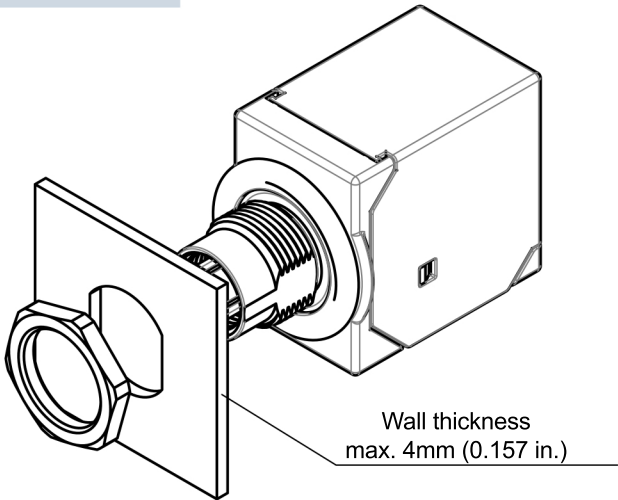
PIN assignment



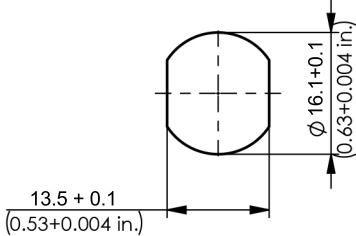
STX M12x1-RJ45 CO X-coded Cat.6_A



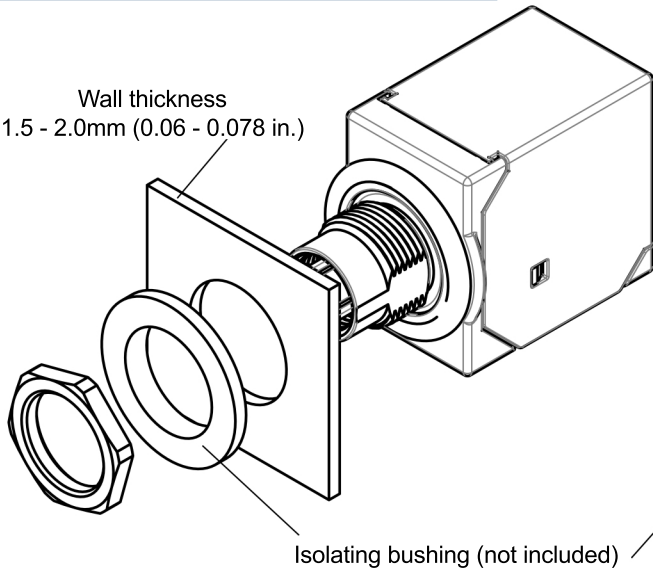
Mounting



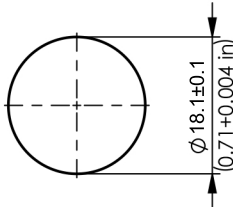
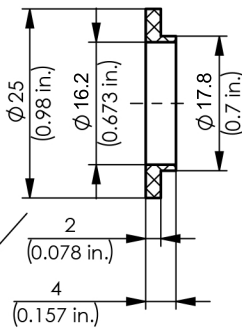
Through hole with twist protection



Mounting - Insulated



Through hole with twist protection



Part No.	Description	Barcode EAN 13	Pkg. Qty
J80029A0200	STX M12x1-RJ45 CO X-coded Cat.6 _A CO-8X-180-45-180-C6A000	4018359450595	1
J80629A0200	STX M12x1-RJ45 CO X-coded Cat.6 _A CO-8X-180-45-090-C6A000	4018359450632	1

Part No.	Packing	Standard Pack	Carton	Pkg. Qty	Carton	Pkg. Qty	Outer carton
J80029A0200	1 pc. in PE bag, one mounting information	1 pc. in PE bag	-	15 PE bags in carton	245x100x80 [mm]	-	-
J80629A0200	1 pc. in PE bag, one mounting information	1 pc. in PE bag	-	15 PE bags in carton	245x100x80 [mm]	-	-

Technical Data	
Connector Standard M12/RJ45	IEC 61076-2-109 / IEC 60603-7-51
Mechanical Characteristics	
Insertion force	≤ 30N
Life (mating cycles) M12 / RJ45	≥100 / ≥ 750
Materials *	
Housing part M12	PA UL94 V0 black
Housing M12	Zinc die-cast Ni plated
Shield insert M12	Zinc die-cast tin plated
Contact housing M12	PA UL 94 V0
Contact M12	CuSn
Contact finish M12	Au
Isulation plate (fixing washer) M12	PET UL94VTM2
Housing part RJ45	PA UL94 V0 black
Contacts RJ45	Copper alloy
Contact finish RJ45	Selective Au in contact area
PCB	PI UL 94 V0
Sealings	FKM; NBR
Hex-nut	Brass nickel plated
Directive 2011/65/EU (RoHS)	RoHS compliant
Environmental Requirements	
Mechanical	
Shock	490 ms ⁻²
Vibration sinusoidal	50 ms ⁻²
Protection against Ingress	
Particulate ingress M12 / RJ45	IP6X * / IP2X
Water / Immersion M12 / RJ45	IPX7 * / IPX0
Pollution degree M12	3
Climatical and Chemical	
Ambient temperature	-40°C to +85°C

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

Technical Data	
Electrical Characteristics	
Connection	see Connection Diagram
Insulation resistance	≥ 100 MΩ
Contact resistance M12 / RJ45	≤ 5 mΩ / ≤ 20 mΩ
Voltage Proof	
Contact-Contact M12 / RJ45	≥ 500 V DC / ≥ 1000 V DC
Contact-Shield M12 / RJ45	≥ 500 V DC / ≥ 1500 V DC
Rated voltage **	50 V AC / 60 V DC
Rated impulse voltage	800 V
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	IEC 61076-2-109 / IEC 60603-7-51
Class E _A	ISO/IEC 11801; DIN EN 50173-1
Category 6A	ANSI/TIA/EIA-568-C.2
Standards	
Degrees of protection provided by enclosures (IP code)	IEC 60529
Approval	
UL listed	-

** The rated voltage is based on pollution degree 2

*** The standards mentioned are valid as of 01/10/2017