BELDEN

Product: [BRSCCS 8X/9](#) ↗

M12 Data Field Attachable, crimp termination, robust metal housing, IP67, 8-pin, X-coded, shielded, straight, 48V, 0.5A

Product Description

M12 Data Field Attachable, crimp termination, robust metal housing, IP67, 8-pin, X-coded, shielded, straight, 48V, 0.5A, suited for rail application acc. to EN45545, Cat6a

Technical Specifications

Technical Data

Product Family:	Data Connector
Product Sub Family:	Data Connector
Brand:	Belden
Connector Type:	Field attachable
Type of Contact / Gender:	male
Connector Design:	straight
Number of Pins:	8 (included in the packaging)
Coding:	X
Shielding:	Shielded
Attachment Type:	Coupling Screw
Rated Voltage:	48V
Rated Impulse Voltage:	1.5kV
Operating Voltage:	50 V AC / 60 V DC
Data Transmission:	Category 6A
Data Transmission Rate:	10 Gbit/s
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^8 Ohm
Mating Cycles:	> 200
Type of Connection:	crimp
Maximum Wire Isolation Diameter:	Ø 6 mm to Ø 8,5 mm
Strain-Relief:	cable gland
Suitable Cables:	gaskets enclosed Ø6 - Ø8.5 mm
Ambient Temperature (Operation)*:	-55 °C to +85 °C, notice derating
Protection Degree / IP Rating**:	IP67
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	Cu Alloy
Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	grey
Flammability Class (Contact Bearer):	UL 94 V-0 / F2
Housing Material:	Zamak

Housing Plating:	Ni
Housing Color:	silver
Cable Gland Material:	CuZn
Cable Gland Plating:	Ni
Cable Gland Gasket:	NBR
Strain-Relief Material:	PBT GF
Flammability Class (Strain Relief):	UL 94 V-0 / F2
Attachment Material:	CuZn
Attachment Plating:	Cu/Ni
Shielding Material:	CuZn, plating: Ni

Additional Technical Data

Fastening Torque (Contact Screw):	1.5 -2.0 Nm (max. 3.0Nm), hand-tight

Safety & Environmental Compliance

RoHS Compliant:	yes, with exeption

Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.

Variants

Item #	Item Description
934885101	BRSCCS 8X/9