

M12 SD X-cod 8 pol Ø8,1 male straight



Part number	21 03 881 1811
Specification	M12 SD X-cod 8 pol Ø8,1 male straight
HARTING eCatalogue	https://b2b.harting.com/21038811811

Identification

Category	Connector
Series	Circular connectors M12
Identification	M12 Slim Design
Element	Cable connector
Specification	Straight

Version

Termination method	Crimp termination
Gender	Male
Locking type	Screw locking
Shielding	Shielded Shield connection with crimp flange
Number of contacts	8
Coding	X-coding
Details	Please order crimp contacts separately. Please order M12 crimp flange set separately.

Technical characteristics

Conductor cross-section	0.08 ... 0.25 mm ²
Conductor cross-section	AWG 28 ... AWG 23
Wire outer diameter	≤1.4 mm
Rated current	0.5 A
Rated voltage	48 V
Rated impulse voltage	0.8 kV
Pollution degree	3



Pushing Performance

Technical characteristics

Insulation resistance	$> 10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$
Ambient temperature	-40 ... +85 °C
Tightening torque	0.6 Nm
Wrench size	A/F 15 Knurled screw / knurled nut
Mating cycles	≥ 500
Degree of protection acc. to IEC 60529	IP65 / IP67 when mated
Cable diameter	8.1 mm
Transmission characteristics	Cat. 6 _A Class E _A up to 500 MHz
Overvoltage category	III
Isolation group	I ($600 \leq \text{CTI}$)

Material properties

Material (insert)	LCP
Material (hood/housing)	Zinc die-cast
RoHS	compliant with exemption
RoHS exemptions	6c: Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead

Specifications and approvals

Specifications	IEC 61076-2-109
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Commercial data

Packaging size	10
Net weight	51.6 g
Country of origin	Romania
European customs tariff number	85366990
eCl@ss	27440102 Circular connector (for field assembly)