

# 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 mm²
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

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HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany



#### Technical characteristics

Insulation resistance	> 10 <sup>8</sup> Ω
Contact resistance	≤10 mΩ
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 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz
Overvoltage category	III
Isolation group	I (600 ≤ 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)

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HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com