

## M12-SD-PPI-CC-CRIMP-8P-XCOD-M-STR-SHLD



Image is for illustration purposes only. Please refer to product description.

Part number	97 00 000 1976
Specification	M12-SD-PPI-CC-CRIMP-8P-XCOD-M-STR-SHLD
HARTING eCatalogue	<a href="https://harting.com/97000001976">https://harting.com/97000001976</a>

### Identification

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

### Version

Termination method	Crimp termination
Gender	Male
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Locking type	PushPull invers
Details	Please order crimp contacts separately.
Details	For Ethernet applications up to 10 Gbit only

### Technical characteristics

Conductor cross-section	0.08 ... 0.25 mm <sup>2</sup>
Conductor cross-section [AWG]	AWG 28 ... AWG 23
Wire outer diameter	≤1.4 mm
Rated current	0.5 A
Rated voltage	48 V AC 60 V DC



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## Technical characteristics

Rated impulse voltage	0.8 kV
Pollution degree	3
Transmission characteristics	Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz
Overvoltage category	III
Data rate	10 Mbit/s
	100 Mbit/s
	1 Gbit/s
	2.5 Gbit/s
	5 Gbit/s
	10 Gbit/s
Insulation resistance	>10 <sup>8</sup> Ω
Contact resistance	≤10 mΩ
Limiting temperature	-40 ... +85 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Cable diameter	5.7 ... 8.8 mm
Isolation group	I (600 ≤ CTI)

## Material properties

Material (insert)	PA66
Material (hood/housing)	Zinc die-cast
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Yes
California Proposition 65 substances	Nickel

## Specifications and approvals

Specifications	IEC 61076-2-109
	IEC 61076-2-010

## Commercial data

Packaging size	1
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Commercial data

Net weight	46.29 g
Country of origin	Germany
European customs tariff number	85366990
eCl@ss	27440116 Circular connector (for field assembly)
ETIM	EC002635