



Pushing Performance  
Since 1945

# M12-SD-CC-CRIMP-8P-XCOD-M-STR-CF



Part number	21 03 881 1815
Specification	M12-SD-CC-CRIMP-8P-XCOD-M-STR-CF
HARTING eCatalogue	<a href="https://b2b.harting.com/21038811815">https://b2b.harting.com/21038811815</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 Shield connection with crimp flange
Number of contacts	8
Coding	X-coding
Locking type	Screw locking
Details	Please order crimp contacts separately.
Details	For Ethernet applications up to 10 Gbit only

## 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



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## Technical characteristics

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
Tightening torque	0.6 Nm
Wrench size (knurled screw / knurled nut)	15
Limiting temperature	-40 ... +85 °C
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Isolation group	I (600 ≤ CTI)

## Material properties

Material (insert)	Liquid crystal polymer (LCP)
Material (hood/housing)	Zinc die-cast

## Specifications and approvals

Specifications	IEC 61076-2-109
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## Commercial data

Packaging size	10
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140226043
ETIM	EC002635
eCl@ss	27440116 Circular connector (for field assembly)