

M12-SD-CC-CRIMP-2P-SPE-M-STR-SHLD



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

Part number	21 03 839 1205
Specification	M12-SD-CC-CRIMP-2P-SPE-M-STR-SHLD
HARTING eCatalogue	https://b2b.harting.com/21038391205

Identification

Category	Connectors
Series	HARTING T1 Industrial Circular connectors M12
Identification	Slim Design
Element	Cable connector
Specification	Straight
Features	For the construction of future-proof and standardised Single Pair Ethernet (SPE) communication networks with standardised cabling according to ISO / IEC 11801 and TIA 42

Version

Termination method	Crimp termination
Gender	Male
Shielding	Fully shielded, 360° shielding contact
Number of contacts	2
further contacts	+ shielding
Coding	Single Pair Ethernet (SPE)
Locking type	Screw locking
Details	Please order crimp contacts separately.

Technical characteristics

Conductor cross-section	0.08 ... 0.32 mm ² Stranded
Conductor cross-section	AWG 28/7 ... AWG 22/7 Stranded
Wire outer diameter	≤2 mm



Pushing Performance
Since 1945

Technical characteristics

Rated current	4 A
Rated voltage	60 V DC
Transmission characteristics	4 GHz Bandwidth
Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s
Contact resistance	≤20 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +85 °C
Mating cycles	≥1,000
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Cable diameter	4.5 ... 5.5 mm
Test voltage U _{DC}	1 kV (contact-contact) 2.25 kV (contact-ground)

Material properties

Material (hood/housing)	Zinc die-cast
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Specifications and approvals

Specifications	IEC 63171-6 IEEE 802.3bu (remote power supply over PoDL = Power over Data Line) IEEE 802.3cg (10BASE-T1) IEEE 802.3bw (100BASE-T1) IEEE 802.3bp (1000BASE-T1) IEEE 802.3ch (2.5GBASE-T1 / 5GBASE-T1 / 10GBASE-T1)
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Commercial data

Packaging size	10
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140223561
eCl@ss	27460202 PCB connector (conductor connection)