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Product data sheet
21 03 839 1205
M12-SD-CC-CRIMP-2P-SPE-M-STR-SHLD

Pushing Performance
Since 1945

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 mm² Stranded
Conductor cross-section	AWG 28/7 ... AWG 22/7 Stranded
Wire outer diameter	≤2 mm

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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
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
ECHA SCIP number	0d7d3693-d625-47ab-934a-d241bf72c86e
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel

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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)

Commercial data

Packaging size	10
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140223561
ETIM	EC002637
eCl@ss	27460202 PCB connector (conductor connection)

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