Pushing Performance
Since 1945

MPP-CC-IDC-ix-10p-M-P-STR B-cod AWG28-26



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

Part number	09 51 121 0002
Specification	MPP-CC-IDC-ix-10p-M-P-STR B-cod AWG28-26
HARTING eCatalogue	https://b2b.harting.com/09511210002

Identification

Category	Connectors
Series	HARTING Mini PushPull
Identification	ix Industrial®
Element	Connector sets
Features	Suitable for all PoE versions

Version

Termination method	IDC termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	10
Coding	Type B
Locking type	PushPull
Pack contents	incl. housing, HARTING ix Industrial®-connector type B, shielding and cable gland

Technical characteristics

Conductor cross-section	0.09 ... 0.14 mm²
Conductor cross-section	AWG 28 ... AWG 26
Wire outer diameter	≤1.2 mm
Rated current	1.5 A
Rated current	3 A when used with 4 contacts (1,2,6,7)
Rated voltage	50 V AC 60 V DC
Insulation resistance	>500 MΩ

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Technical characteristics

Contact resistance	≤30 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +70 °C
Storage temperature	-60 ... +85 °C
Relative humidity	95 % Non-condensing (operation) 95 % Non-condensing (storage/transport)
Mating cycles	≥750
Degree of protection acc. to IEC 60529	IP65 / IP67
Cable diameter	4.5 ... 7.5 mm
Test voltage $U_{r.m.s.}$	0.5 kV (contact-contact) 0.5 kV (contact-shielding)
Vibration resistance	10-500 Hz, 5 g, 0.35 mm, 2h/axis 5.72 m/s² acc. to IEC 61373 Category 1 Class B
Shock resistance	50 g / 11 ms, 3 shocks / axis and direction 5 g / 30 ms, 5 shocks / axis and direction acc. to IEC 61373 Category 1 Class B

Material properties

Material (insert)	Polyamide (PA)
Colour (insert)	Black
Material (shielding)	Stainless steel Ni ≥ 1.6 µm Mating side (shielding) Sn ≥ 0.9 µm over Ni ≥ 0.9 µm Termination side (shielding)
Material (contacts)	Copper alloy
Surface (contacts)	PdNi ≥ 0.64 µm + Au ≥ 0.05 µm over Ni ≥ 2.6 µm Mating side Sn ≥ 3 µm over Ni ≥ 1.8 µm Termination side
Material (hood/housing)	Polybutylene terephthalate (PBT) / PA66
Colour (hood/housing)	Black
Material (seal)	HNBR / NBR
Colour (seal)	Black
Material (locking)	Polybutylene terephthalate (PBT)
Colour (locking)	Yellow
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained

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Material properties

REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Yes
California Proposition 65 substances	Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R26

Specifications and approvals

Specifications	IEC 61076-3-124 Type B

Commercial data

Packaging size	1
Net weight	9.86 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140223394
ETIM	EC002636
eCl@ss	27440114 Rectangular connector (for field assembly)

Contact configuration



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