

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://harting.com/09511210002

Identification

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

Version

Termination method	IDC insulation displacement 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 mm ²
Conductor cross-section [AWG]	AWG 28 ... AWG 26
Wire outer diameter	≤1.2 mm
Rated current	1.5 A
Rated current	3 A per contact when used with 4 contacts (1,2,6,7)
Rated voltage	50 V AC 60 V DC
Insulation resistance	>100 MΩ

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	5.5 ... 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/s ² 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

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) + A1 (2023-10)
Requirement set with Hazard Levels	R26

Specifications and approvals

Specifications	IEC 61076-3-124 Type B
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079

Commercial data

Packaging size	1
Net weight	29.12 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140223394
eCl@ss	27440114 Rectangular connector (for field assembly)
ETIM	EC002636
UNSPSC 24.0	39121408

Contact configuration

