

MPP-CC-IDC-ix-8p-M-P-STR B-cod AWG22-24



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

Part number	09 51 121 0004
Specification	MPP-CC-IDC-ix-8p-M-P-STR B-cod AWG22-24
HARTING eCatalogue	https://harting.com/09511210004

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	8
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	0.23 ... 0.36 mm ²
Conductor cross-section [AWG]	AWG 24 ... AWG 22
Wire outer diameter	≤1.6 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



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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	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



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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) + 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	10
Net weight	29.12 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140223417
eCl@ss	27440114 Rectangular connector (for field assembly)
ETIM	EC002636
UNSPSC 24.0	39121408



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Contact configuration

