

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



Part number	09 51 121 0001
Specification	MPP-CC-IDC-ix-10p-M-P-STR A-cod AWG28-26
HARTING eCatalogue	https://harting.com/09511210001

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

Identification

Category	Connectors
Series	HARTING Mini PushPull
Identification	HARTING 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	8			
further contacts	+ 2x GND			
Coding	Type A			
Locking type	PushPull			
Pack contents	incl. housing, HARTING ix Industrial®-connector type A, shielding and cable gland			

Technical characteristics

Conductor cross-section	0.09 0.14 mm²		
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		

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Technical characteristics

Transmission characteristics	Cat. 6 _A Class E _A up to 500 MHz		
Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s		
Insulation resistance	>100 MΩ		
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/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)			

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Material properties

Colour (locking)	Yellow
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	е
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
ECHA SCIP number	5b0b428a-c671-4c90-9b6d-16804ea5737a
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 A EN 50173-1
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079

Commercial data

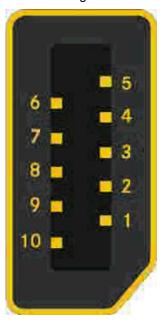
Packaging size	1		
Net weight	9.86 g		
Country of origin	Germany		
European customs tariff number	85366990		
GTIN	5713140223387		
ETIM	EC002636		
eCl@ss	27440114 Rectangular connector (for field assembly)		

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Contact configuration



10/100	1/10	TIA		PROFINET	
Industrial	Mbit/s	Gbit/s	568 A	568 B	PROFINEI
1	TX+	BI_DA+	White/Green	White/Orange	Yellow
2	TX-	BI_DA-	Green	Orange	Orange
3	N.C	N.C	N.C	N.C	N.C
4	N.C	BI_DC+	Blue	Blue	N.C
5	N.C	BI_DC-	White/Blue	White/Blue	N.C
6	RX+	BI_DB+	White/Orange	White/Green	White
7	RX-	BI_DB-	Orange	Green	Blue
8	N.C	N.C	N.C	N.C	N.C
9	N.C	BI_DD+	White/Brown	White/Brown	N.C
10	N.C	BI_DD-	Brown	Brown	N.C