

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



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

Part number	09 51 121 0006
Specification	MPP-CC-IDC-ix-8p-M-P-STR C-cod AWG22-24
HARTING eCatalogue	https://harting.com/09511210006

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 C
Locking type	PushPull
Pack contents	incl. housing, HARTING ix Industrial®-connector type C, shielding and cable gland

Technical characteristics

Conductor cross-section (mm ²)	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
Transmission characteristics	Cat. 6 _A Class E _A up to 500 MHz



Pushing Performance
 Since 1945

Technical characteristics

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/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



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Material properties

Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained

Specifications and approvals

Specifications	IEC 61076-3-124 Type C EN 50173-1
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Commercial data

Packaging size	1
Net weight	10.936 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140455092
eCl@ss	27440114 Rectangular connector (for field assembly)
ETIM	EC002636
UNSPSC 24.0	39121408

Contact configuration



ix Industrial	10/100 Mbit/s	1/10 Gbit/s	TIA		PROFINET
			568 A	568 B	
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