Pushing Performance
Since 1945

ix Industrial 8C-PP-3 plug SL-I22



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

Part number	09 45 182 3503
Specification	ix Industrial 8C-PP-3 plug SL-I22
HARTING eCatalogue	https://harting.com/09451823503

Identification

Category	Connectors
Series	HARTING ix Industrial®
Identification	Data
Element	Cable connector
Specification	Straight

Version

Termination method	IDC insulation displacement termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	8
Coding	Type C
Locking type	PushPull

Technical characteristics

Conductor cross-section (mm²)	0.23 ... 0.36 mm²
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

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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	>500 MΩ
Contact resistance	≤30 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +85 °C
Storage temperature	-30 ... +60 °C
Relative humidity	95 % Non-condensing (operation) 95 % Non-condensing (storage/transport)
Insertion force	≤25 N
Withdrawal force	≤25 N
Mating cycles	≥5,000
Degree of protection acc. to IEC 60529	IP20
Cable diameter	6 ... 7.2 mm
Test voltage $U_{r.m.s.}$	0.5 kV
Retention force	≥80 N locking
Vibration resistance	10-500 Hz, 0.35 mm / 50 m/s², 2h/axis 5.72 m/s² acc. to IEC 61373 Category 1 Class B
Shock resistance	30 g / 11 ms, 3 shocks / axis and direction 50 g / 30 ms, 3 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)	Polycarbonate (PC) Polyamide (PA)
Colour (hood/housing)	Black
Material flammability class acc. to UL 94	V-0

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Material properties

RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate
ECHA SCIP number	60b1a572-bb3f-476f-9307-b7d1688bd90c
California Proposition 65 substances	Not contained

Specifications and approvals

Specifications	IEC 61076-3-124 EN 45545-2 IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at Power over Ethernet (PoE+) IEEE 802.3bt Power over Ethernet (4PPoE)
PROFINET	Yes

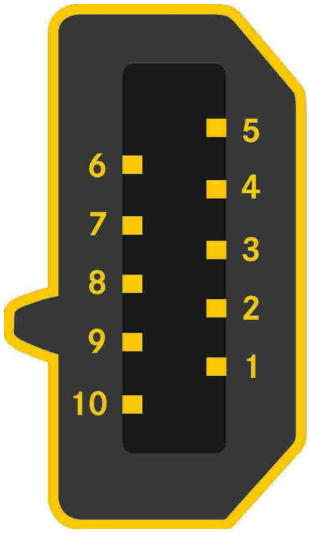
Commercial data

Packaging size	5
Net weight	4.466 g
Country of origin	Romania
European customs tariff number	82055980
GTIN	5713140455061
eCl@ss	27440114 Rectangular connector (for field assembly)
ETIM	EC002636
UNSPSC 24.0	39121408

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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

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