Pushing Performance
Since 1945

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

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

Part number	09 45 182 9003
Specification	ix Industrial 8B-PP-3 plug SL-I22
HARTING eCatalogue	https://b2b.harting.com/09451829003

Identification

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

Version

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

Technical characteristics

Conductor cross-section	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
Insulation resistance	>500 MΩ
Contact resistance	≤30 mΩ

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Technical characteristics

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
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes

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Material properties

REACH SVHC substances	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate
ECHA SCIP number	a4a9de28-6060-4c0d-b79b-5842f7db41be
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)

Commercial data

Packaging size	5
Net weight	0.01 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140283572
ETIM	EC002636
eCl@ss	27440114 Rectangular connector (for field assembly)

Contact configuration

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