

ix Industrial 8A-PT-3 plug SL-I22



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

| | |
|--------------------|---|
| Part number | 09 45 182 2568 |
| Specification | ix Industrial 8A-PT-3 plug SL-I22 |
| HARTING eCatalogue | https://harting.com/09451822568 |

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 A |
| Locking type | PushTrigger |

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 | >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/s ² , 2h/axis |
| | 5.72 m/s ² 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 | 4.5 g |
| Country of origin | Romania |
| European customs tariff number | 82055980 |
| 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 |