

## ix Industrial 8A-PP-3 plug SL-I22



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

|                    |   |
|--------------------|---|
| Part number        | 09 45 182 2563  |
| Specification      | ix Industrial 8A-PP-3 plug SL-I22   |
| HARTING eCatalogue | <a href="https://harting.com/09451822563">https://harting.com/09451822563</a> |

### 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       | 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<br>60 V DC                                     |
| Transmission characteristics  | Cat. 6 <sub>A</sub> Class E <sub>A</sub> 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/s <sup>2</sup> , 2h/axis                               |
|  | 5.72 m/s <sup>2</sup> 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                     | 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) |
| UL / CSA       | UL 1977 ECBT2.E102079                    |
|                | CSA-C22.2 No. 182.3 ECBT8.E102079        |
| PROFINET       | Yes                                      |

## Commercial data


|                                |   |
|--------------------------------|---|
| Packaging size                 | 5   |
| Net weight                     | 7.862 g   |
| Country of origin              | Romania   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140283558                                       |
| eCl@ss                         | 27440114 Rectangular connector (for field assembly) |
| ETIM                           | EC002636  |
| UNSPSC 24.0                    | 39121408  |



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Contact configuration



|  | 10/100<br>Mbit/s | 1/10<br>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      |