

## ix Industrial 10B-PP-3 plug SL-I26



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 45 182 9001                                                                |
| Specification      | ix Industrial 10B-PP-3 plug SL-I26                                            |
| HARTING eCatalogue | <a href="https://harting.com/09451829001">https://harting.com/09451829001</a> |

### Identification

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

### Version

|                    |                                         |
|--------------------|-----------------------------------------|
| Termination method | IDC insulation displacement termination |
| Shielding          | Fully shielded, 360° shielding contact  |
| Number of contacts | 10                                      |
| Coding             | Type B                                  |
| Locking type       | PushPull                                |

### Technical characteristics

|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Conductor cross-section       | 0.09 ... 0.14 mm²                                   |
| Conductor cross-section [AWG] | AWG 28 ... AWG 26                                   |
| Wire outer diameter           | ≤1.2 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                                  |
| 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)<br>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 <sub>r.m.s.</sub>       | 0.5 kV                                                                                                                          |
| Retention force                        | ≥80 N locking                                                                                                                   |
| Vibration resistance                   | 10-500 Hz, 0.35 mm / 50 m/s², 2h/axis<br>5.72 m/s² acc. to IEC 61373 Category 1 Class B                                         |
| Shock resistance                       | 30 g / 11 ms, 3 shocks / axis and direction<br>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<br>Ni ≥ 1.6 µm Mating side (shielding)<br>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<br>Sn ≥ 3 µm over Ni ≥ 1.8 µm Termination side           |
| Material (hood/housing)                   | Polycarbonate (PC)<br>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) |
| UL / CSA       | UL 1977 ECBT2.E102079                    |
|                | CSA-C22.2 No. 182.3 ECBT8.E102079        |

## Commercial data

|                                |                                                     |
|--------------------------------|-----------------------------------------------------|
| Packaging size                 | 5                                                   |
| Net weight                     | 7.906 g                                             |
| Country of origin              | Romania                                             |
| European customs tariff number | 85366990                                            |
| GTIN                           | 5713140283565                                       |
| eCl@ss                         | 27440114 Rectangular connector (for field assembly) |
| ETIM                           | EC002636                                            |
| UNSPSC 24.0                    | 39121408                                            |



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#### Contact configuration

