

## PushPull V4 plug, RJ45, Cat.6A



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

|                    |   |
|--------------------|---|
| Part number        | 09 45 145 1521  |
| Specification      | PushPull V4 plug, RJ45, Cat.6A  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09451451521">https://b2b.harting.com/09451451521</a> |

### Identification

|                |                       |
|----------------|-----------------------|
| Category       | Connectors            |
| Series         | HARTING PushPull (V4) |
| Identification | RJ45                  |
| Element        | Connector sets        |

### Version

|                    |  |
|--------------------|--|
| Termination method | Piercing termination   |
| Shielding          | Fully shielded, 360° shielding contact                       |
| Number of contacts | 8  |
| Locking type       | PushPull   |
| Pack contents      | incl. housing with RJ45 connector, shielding and cable gland |

### Technical characteristics

|                              |  |
|------------------------------|--|
| Conductor cross-section      | 0.08 ... 0.22 mm <sup>2</sup>  |
| Conductor cross-section      | AWG 28/7 ... AWG 24/7 Stranded   |
| Wire outer diameter          | 1 mm   |
| Transmission characteristics | Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz                     |
| Data rate                    | 10 Mbit/s<br>100 Mbit/s<br>1 Gbit/s<br>2.5 Gbit/s<br>5 Gbit/s<br>10 Gbit/s |
| Tightening torque            | 1.3 ... 1.5 Nm   |
| Limiting temperature         | -40 ... +70 °C   |



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## Technical characteristics

|  |  |
|--|--|
| Mating cycles                          | ≥750   |
| Degree of protection acc. to IEC 60529 | IP65<br>IP67   |
| Cable diameter                         | 4.5 ... 10 mm  |
| Vibration resistance                   | 10-500 Hz, 5 g, 0.35 mm, 2h/axis<br>5.72 m/s <sup>2</sup> acc. to IEC 61373 Category 1 Class B                                 |
| Shock resistance                       | 25 g / 11 ms, 3 shocks / axis and direction<br>5 g / 30 ms, 5 shocks / axis and direction acc. to IEC 61373 Category 1 Class B |

## Material properties

|   |   |
|---|---|
| Material (hood/housing)                   | Thermoplastic   |
| 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   |
| REACH SVHC substances                     | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol<br>Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate |
| California Proposition 65 substances      | Yes   |
| California Proposition 65 substances      | Lead<br>Nickel<br>Naphthalene   |
| Requirement set with Hazard Levels        | R26   |

## Specifications and approvals

|                |  |
|----------------|--|
| Specifications | IEC 61076-3-106 Variant 4 (V4)<br>EN 45545-2               |
| Approvals      | DNV GL   |
| UL / CSA       | UL 1977 ECBT2.E102079<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |

## Commercial data

|                |      |
|----------------|------|
| Packaging size | 10   |
| Net weight     | 38 g |



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## Commercial data

|                                |   |
|--------------------------------|---|
| Country of origin              | Romania   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140223745                                       |
| eCl@ss                         | 27440114 Rectangular connector (for field assembly) |