

## HPP V4 Power plug 48V/12A 4p w/o contact



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

|                    |   |
|--------------------|---|
| Part number        | 09 46 145 4421  |
| Specification      | HPP V4 Power plug 48V/12A 4p w/o contact                                      |
| HARTING eCatalogue | <a href="https://harting.com/09461454421">https://harting.com/09461454421</a> |

### Identification

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

### Version

|                    |                   |
|--------------------|-------------------|
| Termination method | Crimp termination |
| Shielding          | Unshielded        |
| Number of contacts | 4                 |
| Locking type       | PushPull          |
| Pack contents      | Without contacts  |

### Technical characteristics

|                               |                                       |
|-------------------------------|---------------------------------------|
| Conductor cross-section       | 0.75 ... 2.5 mm <sup>2</sup> Stranded |
| Conductor cross-section [AWG] | AWG 20 ... AWG 12 Stranded            |
| Rated current                 | 12 A                                  |
| Rated voltage                 | 48 V                                  |
| Rated impulse voltage         | 1.5 kV                                |
| Pollution degree              | 3                                     |
| Tightening torque             | 1.3 ... 1.5 Nm                        |
| Limiting temperature          | -40 ... +70 °C                        |
| Mating cycles                 | ≥750                                  |



**Pushing Performance**  
Since 1945

## Technical characteristics

|  |  |
|--|--|
| 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                     | Not contained        |
| California Proposition 65 substances      | Not contained        |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08) |
| Requirement set with Hazard Levels        | R26                  |

## Specifications and approvals

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

## Commercial data

|                                |   |
|--------------------------------|---|
| Packaging size                 | 1   |
| Net weight                     | 1 g   |
| Country of origin              | Romania   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140223653                                       |
| eCl@ss                         | 27440114 Rectangular connector (for field assembly) |



**Pushing Performance**  
Since 1945

Commercial data

|             |          |
|-------------|----------|
| ETIM        | EC002636 |
| UNSPSC 24.0 | 39121408 |