



Pushing Performance  
Since 1945

# Han PushPull RJ45 10G plastic



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

|                    |   |
|--------------------|---|
| Part number        | 09 35 228 0421  |
| Specification      | Han PushPull RJ45 10G plastic   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09352280421">https://b2b.harting.com/09352280421</a> |

## Identification

|                |                               |
|----------------|-------------------------------|
| Category       | Connectors                    |
| Series         | Han® PushPull (V14)           |
| Identification | RJ45                          |
| Element        | Connector sets                |
| Features       | Intuitive locking mechanism   |
|                | Field assembly without tools  |
|                | Suitable for all PoE versions |

## Version

|                    |  |
|--------------------|--|
| Termination method | IDC termination                        |
| Shielding          | Fully shielded, 360° shielding contact |
| Number of contacts | 8                                      |
| Locking type       | PushPull                               |
| Pack contents      | incl. housing and male insert          |

## Technical characteristics

|                               |   |
|-------------------------------|---|
| Conductor cross-section       | 0.1 ... 0.32 mm² Stranded                 |
|                               | 0.1 ... 0.32 mm² Solid                    |
| Conductor cross-section [AWG] | AWG 27/7 ... AWG 22/7 Stranded            |
|                               | AWG 27/1 ... AWG 22/1 Solid               |
| Wire outer diameter           | ≤1.6 mm                                   |
| Rated current                 | 1.75 A                                    |
| Rated voltage                 | 50 V                                      |
| Transmission characteristics  | Cat. 6 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      |
| Limiting temperature                   | -40 ... +70 °C |
| Mating cycles                          | ≥750           |
| Degree of protection acc. to IEC 60529 | IP65           |
|  | IP67           |
| Clamping range                         | 5 ... 8 mm     |

## Material properties

|   |  |
|---|--|
| Surface (contacts)                        | Au over Ni Mating side                                   |
|   | Sn over Ni Termination side                              |
| Material (hood/housing)                   | Thermoplastic  |
| Colour (hood/housing)                     | Black  |
| Material (O-ring)                         | NBR  |
| Material (cable seal)                     | TPE  |
| Material flammability class acc. to UL 94 | V-0  |
| RoHS                                      | compliant with exemption                                 |
| RoHS exemptions                           | 6(c): Copper alloy containing up to 4 % lead by weight   |
| ELV status                                | compliant with exemption                                 |
| China RoHS                                | 50   |
| REACH Annex XVII substances               | Not contained  |
| REACH ANNEX XIV substances                | Not contained  |
| REACH SVHC substances                     | Yes  |
| REACH SVHC substances                     | Lead   |
|   | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one |
| California Proposition 65 substances      | Yes  |
| California Proposition 65 substances      | Antimony trioxide  |
|   | Lead   |
|   | Nickel   |
|   | Naphthalene  |



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Specifications and approvals

|                |                                  |
|----------------|----------------------------------|
| Specifications | IEC 61076-3-117 Variant 14 (V14) |
|                | IEC 60603-7 Mating face          |
|                | EN 45545-2                       |
| Approvals      | DNV GL                           |
| PROFINET       | Yes                              |

Commercial data

|                                |   |
|--------------------------------|---|
| Packaging size                 | 10  |
| Net weight                     | 51.4 g  |
| Country of origin              | Romania   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140223950                                       |
| ETIM                           | EC002636  |
| eCl@ss                         | 27440114 Rectangular connector (for field assembly) |

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