



Pushing Performance  
Since 1945

# Han F+B Hybrid Male



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

|               |                     |
|---------------|---------------------|
| Part number   | 09 15 512 3001      |
| Specification | Han F+B Hybrid Male |

## Identification

|          |          |
|----------|----------|
| Category | Inserts  |
| Series   | Han® F+B |

## Version

|                           |   |
|---------------------------|---|
| Termination method        | Crimp termination                       |
| Gender                    | Male                                    |
| Number of contacts        | 12                                      |
| Number of data contacts   | 4                                       |
| Number of signal contacts | 4                                       |
| Number of power contacts  | 4                                       |
| PE contact                | Yes                                     |
| Details                   | Please order crimp contacts separately. |
|                           | 4x Han E®                               |
|                           | 4x Han D®                               |
|                           | 4x M12 for data element                 |

## Technical characteristics

|                                |                |
|--------------------------------|----------------|
| Conductor cross-section        | 0.14 ... 4 mm² |
| Rated current (signal)         | 10 A           |
| Rated voltage (signal)         | 250 V          |
| Rated impulse voltage (signal) | 4 kV           |
| Pollution degree (signal)      | 3              |
| Rated current (power)          | 20 A           |
| Rated voltage (power)          | 400 V          |



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## Technical characteristics

|                               |   |
|-------------------------------|---|
| Rated impulse voltage (power) | 6 kV                                    |
| Pollution degree (power)      | 3                                       |
| Transmission characteristics  | Cat. 5 Class D up to 100 MHz            |
| Data rate                     | 10 Mbit/s<br>100 Mbit/s                 |
| Insulation resistance         | $>10^{10} \Omega$                       |
| Limiting temperature          | -40 ... +125 °C                         |
| Mating cycles                 | $\geq 3,000$                            |
| Note on the mating cycles     | Mating cycles with other HMC components |

## Material properties

|   |                        |
|---|------------------------|
| Material (insert)                         | Polycarbonate (PC)     |
| Colour (insert)                           | RAL 7032 (pebble grey) |
| Material flammability class acc. to UL 94 | V-0                    |

## Commercial data

|                                |   |
|--------------------------------|---|
| Packaging size                 | 1   |
| Net weight                     | 15.75 g   |
| Country of origin              | Germany   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140930124                                     |
| ETIM                           | EC000438  |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |

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