

## DIN-Signal Kontakt BC,F,PL1,Einzel



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

|                    |   |
|--------------------|---|
| Part number        | 09 02 000 8474  |
| Specification      | DIN-Signal Kontakt BC,F,PL1,Einzel  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09020008474">https://b2b.harting.com/09020008474</a> |

### Identification

|                 |  |
|-----------------|--|
| Category        | Contacts   |
| Series          | DIN 41612  |
| Type of contact | Crimp contact  |
| Contacts for    | DIN 41612 Type B<br>DIN 41612 Type C<br>DIN 41612 Type 2C<br>DIN 41612 Type 3C |
| Features        | lead-free  |

### Version

|                       |  |
|-----------------------|--|
| Gender                | Female contact   |
| Manufacturing process | Stamped contacts   |
| Details               | Attention: Single contacts are only recommended for repair and maintenance. For series production we recommend the identical contacts on reel. |
| Pack contents         | Single contact   |

### Technical characteristics

|                         |                              |
|-------------------------|------------------------------|
| Conductor cross-section | 0.09 ... 0.5 mm <sup>2</sup> |
| Conductor cross-section | AWG 28 ... AWG 20            |
| Wire outer diameter     | 0.7 ... 1.5 mm               |
| Rated current           | ≤2 A                         |
| Contact resistance      | ≤20 mΩ                       |
| Stripping length        | 3.5 ... 4 mm                 |
| Performance level       | 1<br>acc. to IEC 60603-2     |



Pushing Performance  
Since 1945

## Technical characteristics

Mating cycles  $\geq 500$

## Material properties

|                                      |  |
|--------------------------------------|--|
| Material (contacts)                  | Copper alloy   |
| Surface (contacts)                   | Noble metal over Ni Mating side<br>Ni Termination side |
| 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 | Yes  |
| California Proposition 65 substances | Nickel   |

## Specifications and approvals

|                |                             |
|----------------|-----------------------------|
| Specifications | IEC 60603-2 (complementary) |
|----------------|-----------------------------|

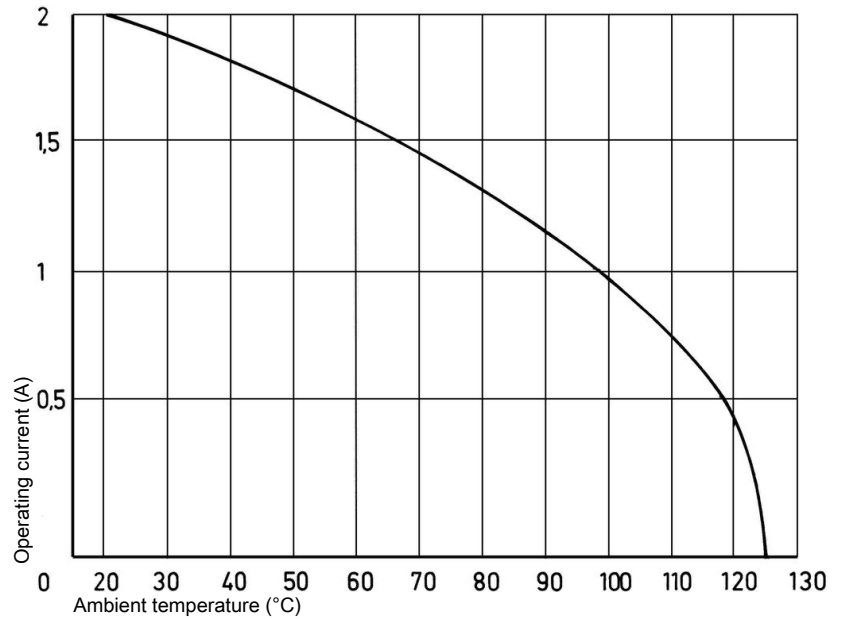
## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 1,000                                      |
| Net weight                     | 0.1 g                                      |
| Country of origin              | Germany                                    |
| European customs tariff number | 85366990                                   |
| GTIN                           | 5713140002975                              |
| ETIM                           | EC000796                                   |
| eCl@ss                         | 27440204 Contact for industrial connectors |

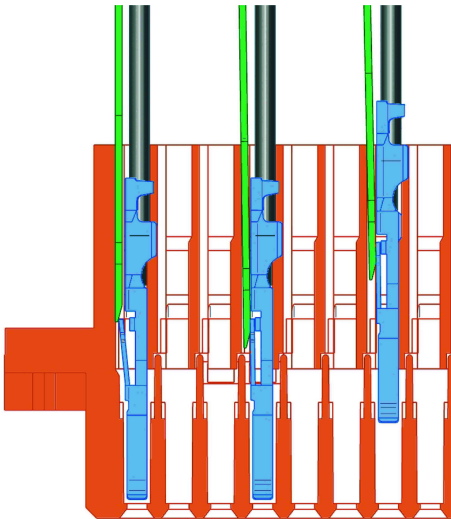
### Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



### Installation of crimp contacts



#### Fitting the crimp contacts:

After crimping the wires onto the contacts with the help of a crimping tool or an automatic crimping machine the contacts should be correctly oriented and inserted into the cavities of the connector moulding in the required configuration. They snap into position and are firmly held in place. A light pull on the wire assures the correct tensile strength of the contact. When using stranded wires with a gauge below  $0.37 \text{ mm}^2$  an insertion tool is necessary. Insertion tool part number: 09 99 000 0100

Insertion tool part number: 09 99 000 0100

#### Removing the crimp contacts:

The removal tool is inserted into a slot on the side of the respective crimp cavity. This action compresses the contact retaining spring therefore the contact can then be easily withdrawn using a light pull on the wire. This action will cause no damage to the contact / wire which can be repositioned / refitted as necessary. The drawing demonstrates the crimp removal procedure (max. 5x).

Removal tool part number: 09 99 000 0101