

## General

|                       |                             |
|-----------------------|-----------------------------|
| Productgroup          | PowerSocket Fuse            |
| Mounting type         | Massive Pressfit Techn      |
| Material              | Bronze                      |
| Surface               | nickel                      |
| Customs tariff number | 85366930                    |
| Country of origin     | Federal Republic of Germany |
| Weight per piecs ~    | 0.001600 kg                 |

## Technical data

|                              |                    |
|------------------------------|--------------------|
| Terminal                     | blind hole         |
| Socket length x Socket width | 14.00 mm x 6.40 mm |
| Socket height                | 14.00 mm           |
| Height total                 | 18.00 mm           |
| Height over pcb              | 14.00 mm           |
| No. of Pins                  | 2                  |
| Pin length                   | 4.00 mm            |
| Grid dimension X / Y         | 7.80 mm / 0.00 mm  |
| Pin alignment                | Two row            |

## Processing

|                 |                               |
|-----------------|-------------------------------|
| Press in force  | 80 N up to 500 N              |
| Retention force | 60-80 % of press-in force     |
| Press-in speed  | 100 mm/min. up to 250 mm/min. |
| PCB thickness   | 1.60 mm up to 3.20 mm         |
| Notice          |                               |

### Current carrying capacity

Part (20°C) ~ / (85°C) ~ Depending on component to be contacted

## Usage and storage

|                    |                                                   |
|--------------------|---------------------------------------------------|
| Temperature        | -40 °C up to +150 °C                              |
| Storage            | dry environment protected from weather conditions |
| Storage conditions | at +5 °C up to +40 °C, 75% RH, non-condensing     |

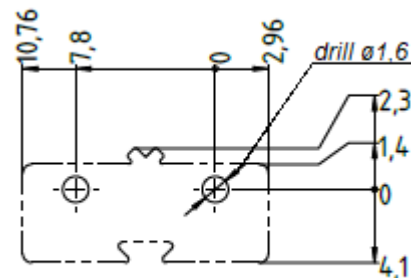
## Accessories

Press in tool

### Co-applicable documents

Powerelement Guidelines [Link to Powerelement Guidelines](#)

### Standard drill pattern



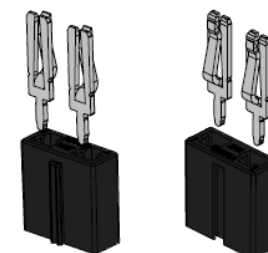
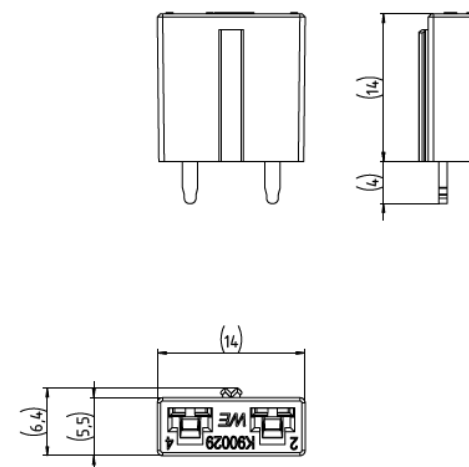
### Drill hole specification for PCB

|         |                                                                                   |                          |                                                   |
|---------|-----------------------------------------------------------------------------------|--------------------------|---------------------------------------------------|
| Drill Ø |  | drill tool<br>drill hole | 1,60 mm<br>1,60 mm - 0,025 mm                     |
| Cu      |  | Cu – in Hole             | Average 30 µm – 60 µm<br>min. 25 µm, max. 80 µm * |
| End Ø   |  | HAL<br>chem. surfaces    | (1,450 mm +/- 0,05 mm)<br>(1,475 mm +/- 0,05 mm)  |

**Note:** For Press-fit Technology drill diameter and copper thickness are fix. End Ø for reference only.

\* single measurement points in microsection

## Dimensions



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### General tolerances

DIN ISO 2768-mH

Projection mode



Revison

A

Date \_\_\_\_\_

28.08.25

All measures in

mm

Part no.

**S90029**

Description

## PowerSocket Fuse MINI®



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