

### General

|                       |                             |
|-----------------------|-----------------------------|
| Productgroup          | PowerCover                  |
| Mounting type         | Massive Pressfit Techn      |
| Material              | Brass                       |
| Surface               | tin                         |
| Customs tariff number | 85369095                    |
| Country of origin     | Federal Republic of Germany |
| Weight per pieces ~   | 0.003420 kg                 |

### Technical data

|                          |                            |
|--------------------------|----------------------------|
| Terminal / Type          | Bush through hole / Metric |
| Thread/Diameter x Length | 5.000 mm x 6.00 mm         |
| Torque                   | 2.20 Nm                    |

|                              |                         |
|------------------------------|-------------------------|
| Socket length x Socket width | 9.000 mm x 9.00 mm      |
| Socket height                | 6.00 mm                 |
| Socket rounded               | yes                     |
| Height total                 | 9.50 mm                 |
| Height over pcb              | 6.00 mm                 |
| No. of Pins                  | 8                       |
| Pin length                   | 3.50 mm                 |
| Grid dimension X / Y         | 2.54 mm / 2.54 mm       |
| Pin alignment                | Circumference with hole |

### Processing

|                 |                               |
|-----------------|-------------------------------|
| Press in force  | 320 N up to 2000 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) ~ | 120.000 A / 72.000 A |
|--------------------------|----------------------|

### 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       |

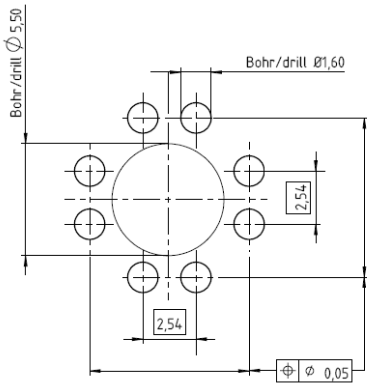
### Accessories

|               |
|---------------|
| Press in tool |
|---------------|

### Co-applicable documents

|                         |                                 |
|-------------------------|---------------------------------|
| Powerelement Guidelines | Link to Powerelement Guidelines |
|-------------------------|---------------------------------|

### Standard drill pattern



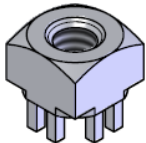
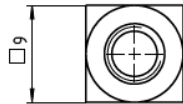
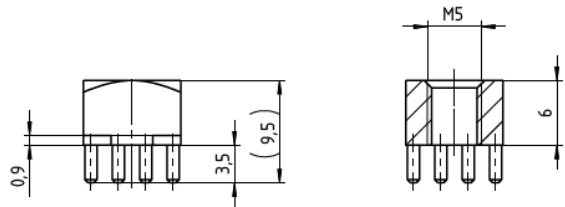
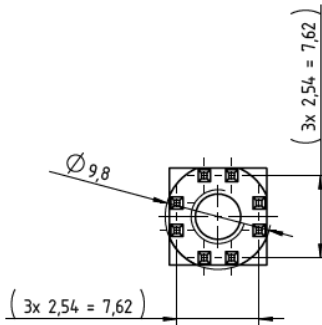
### Drill hole specification for PCB

|         |                                                                                   |                |                                                   |
|---------|-----------------------------------------------------------------------------------|----------------|---------------------------------------------------|
| Drill Ø |  | drill tool     | 1,60 mm                                           |
|         |                                                                                   | drill hole     | 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            | (1,450 mm +/- 0,05 mm)                            |
|         |                                                                                   | chem. surfaces | (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



**WÜRTH  
ELEKTRONIK**  
MORE THAN  
YOU EXPECT

Würth Elektronik ICS GmbH & Co. KG  
Würthstraße 1 74676 Niedernhall, Germany  
P +49 7940 9810-4444 powerelement@we-online.de  
www.powerelement.com

Observe protective note ISO 16016. Passing on or duplication without previous written agreement forbidden. Violations oblige to compensation. All rights reserved in the event of a patent or utility model protection. Subject to change without notice! Is NOT subject to change service!

General tolerances

DIN ISO 2768-mH

Projection mode



Revision

Date

All measures in

B

11.07.25

mm

Part no.

**K96062**

Description

**PowerCover Bush vertical through  
hole**



REACH  
COMPLIANT



RoHS  
COMPLIANT