

### General

|                       |                                |
|-----------------------|--------------------------------|
| Productgroup          | LF PowerOne SMD                |
| Mounting type         | SMT                            |
| Material              | Brass lead-free (max. 0.1% Pb) |
| Surface               | tin                            |
| Customs tariff number | 85369095                       |
| Country of origin     | Federal Republic of Germany    |
| Weight per pieces ~   | 0.002500 kg                    |

### Technical data

|                          |                    |
|--------------------------|--------------------|
| Terminal / Type          | Bolt / Metric      |
| Thread/Diameter x Length | 4.000 mm x 4.60 mm |
| Torque                   | 1.20 Nm            |

|                 |               |
|-----------------|---------------|
| Socket diameter | 9.000 mm      |
| Socket height   | 3.50 mm       |
| Height total    | 10.50 mm      |
| Height over pcb | 9.50 mm       |
| No. of Pins     | 1             |
| Pin length      | 1.00 mm       |
| Pin alignment   | Centering pin |

### Processing

|                                       |              |
|---------------------------------------|--------------|
| PCB thickness                         | min. 1.00 mm |
| Recommendation Solder cream thickness | 150 µm       |
| Notice                                |              |

### Current carrying capacity

|                          |                      |
|--------------------------|----------------------|
| Part (20°C) ~ / (85°C) ~ | 125.000 A / 75.000 A |
|--------------------------|----------------------|

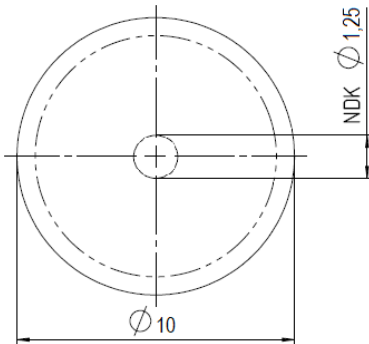
### Usage and storage

|                    |                                                   |
|--------------------|---------------------------------------------------|
| 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       |

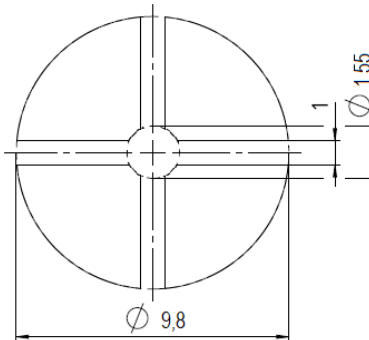
### Co-applicable documents

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

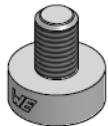
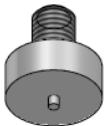
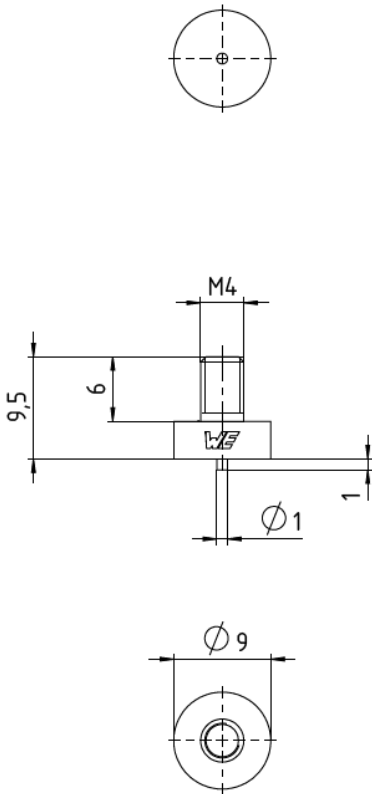
### Solder pad recommendation



### Stencil design recommendation



### Dimensions



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General tolerances

DIN ISO 2768-mH

Projection mode



Revision

Date

All measures in

B

16.07.25

mm

Part no.

**LF991004**

Description

**LF PowerOne SMD Bolt vertical with  
centering pin**



**RoHS  
COMPLIANT**  
**LEAD-FREE**  
Pb < 0,1 %