

## General

Productgroup	LF PowerOne
Mounting type	Massive Pressfit Techn
Material	Brass lead-free (max. 0.1% Pb)
Surface	tin
Customs tariff number	85369095
Country of origin	Federal Republic of Germany
Weight per pieces ~	0.020900 kg

## Technical data

Terminal / Type	Bolt / Metric
Thread/Diameter x Length	8.000 mm x 13.00 mm
Torque	9.00 Nm

Socket length x Socket width	16.000 mm x 16.00 mm
Socket height	6.50 mm
Socket rounded	yes
Height total	23.00 mm
Height over pcb	19.50 mm
No. of Pins	36
Pin length	3.50 mm
Grid dimension X / Y	2.54 mm / 2.54 mm
Pin alignment	Full plain

## Processing

Press in force	2160 N up to 9000 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) ~	360.000 A / 216.000 A
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## 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

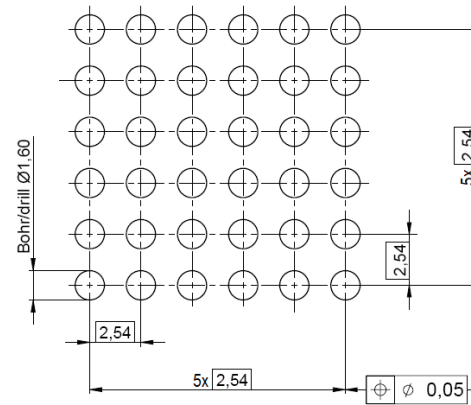
## Accessories

Press in tool

## Co-applicable documents

Powerelement Guidelines [Link to Powerelement Guidelines](#)

## Standard drill pattern



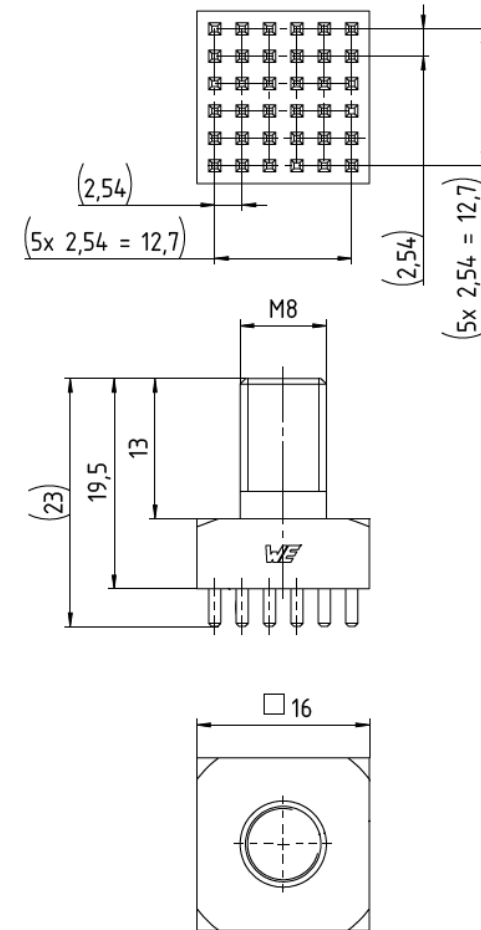
## Drill hole specification for PCB

Drill Ø		drill tool	1,60 mm
		drill hole	1,60 mm - 0,025 mm
Cu		Cu - in Hole	Average 30 µm - 60 µm 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



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Generaltolerances  
DIN ISO 2768-mH

Projection mode



Revision	Date	All measures in
A	17.09.25	mm

Part no.

**LF992108**

Description

**LF PowerOne Bolt vertical**

