

General

Productgroup	PowerOne
Mounting type	Massive Pressfit Techn
Material	Brass
Surface	tin
Customs tariff number	85369095
Country of origin	Federal Republic of Germany
Weight per piecs ~	0.050200 kg

Technical data

Terminal / Type	Bolt / Metric
Thread/Diameter x Length	12.000 mm x 20.00 mm
Torque	35.00 Nm

Socket length x Socket width	22.000 mm x 22.00 mm
Socket height	8.00 mm
Socket rounded	no
Height total	33.00 mm
Height over pcb	28.00 mm
No. of Pins	25
Pin length	5.00 mm
Grid dimension X / Y	3.81 mm / 3.81 mm
Pin alignment	Full plain

Processing

Press in force	1000 N up to 6250 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) ~ 250.000 A / 150.000 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

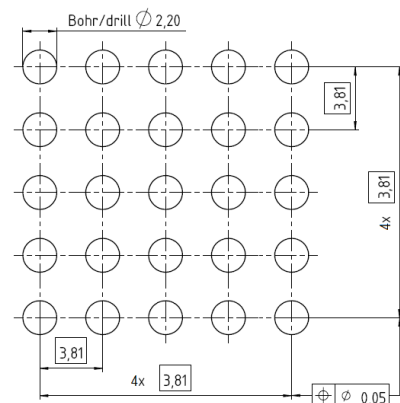
Accessories

Press in tool

Co-applicable documents

Powerelement Guidelines [Link to Powerelement Guidelines](#)

Standard drill pattern



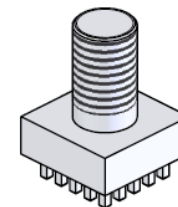
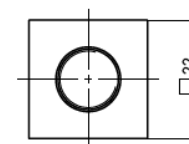
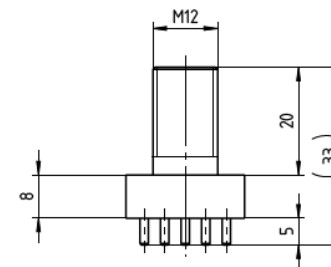
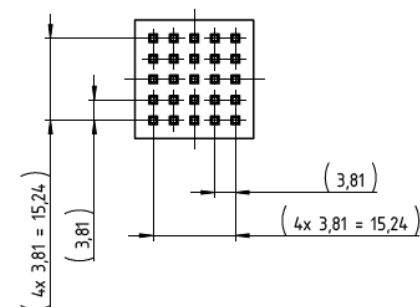
Drill hole specification for PCB

Drill Ø		drill tool drill hole	2,20 mm 2,20 mm - 0,025 mm
Cu		Cu – in Hole	Average 30 µm – 60 µm min. 25 µm, max. 80 µm *
End Ø		HAL chem. surfaces	(2,050 mm +/- 0,05 mm) (2,075 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

B

Date _____

17.06.25

All measures in

mm

Part no.

K92489

Description

PowerOne Bolt



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