

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 ~	0.005160 kg

Technical data

Terminal / Type	Bolt / Metric
Thread/Diameter x Length	5.000 mm x 12.00 mm
Torque	2.20 Nm

Socket length x Socket width	9.000 mm x 9.00 mm
Socket height	4.50 mm
Socket rounded	yes
Height total	20.00 mm
Height over pcb	16.50 mm
No. of Pins	16
Pin length	3.50 mm
Grid dimension X / Y	2.54 mm / 2.54 mm
Pin alignment	Full plain

Processing

Press in force	640 N up to 4000 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) ~	160.000 A / 96.000 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

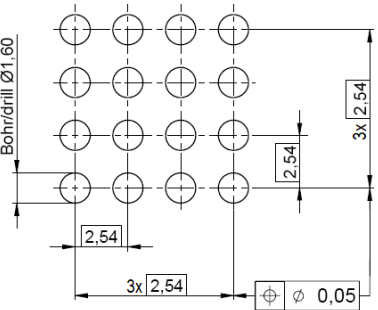
Accessories

Press in tool	
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Co-applicable documents

Powerelement Guidelines	Link to Powerelement Guidelines
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Standard drill pattern



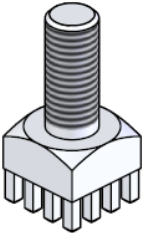
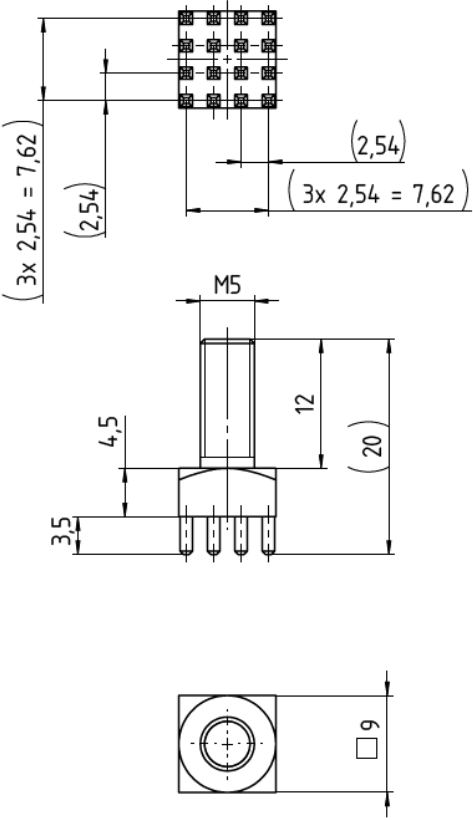
Drill hole specification for PCB

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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General tolerances
DIN ISO 2768-mH

Revision	Date
B	01.07.25

Projection mode



All measures in
mm

Part no.

K96285

Description

PowerOne Bolt



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