

General

Productgroup	PowerOne THR
Mounting type	THR
Material	Brass
Surface	tin-plated +
Customs tariff number	85369095
Country of origin	Federal Republic of Germany
Weight per piecs ~	0.001170 kg

Technical data

Terminal / Type	Bush through hole / Metric
Thread/Diameter x Length	3.000 mm x 3.00 mm
Torque	0.50 Nm
Socket length x Socket width	7.000 mm x 7.00 mm
Socket height	3.00 mm
Socket rounded	no
Height total	5.50 mm
Height over pcb	3.00 mm
No. of Pins	4
Pin length	2.50 mm
Grid dimension X / Y	5.08 mm / 5.08 mm
Pin alignment	Edge

Processing

Press in force	160 N up to 1000 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) ~	64.000 A / 44.000 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

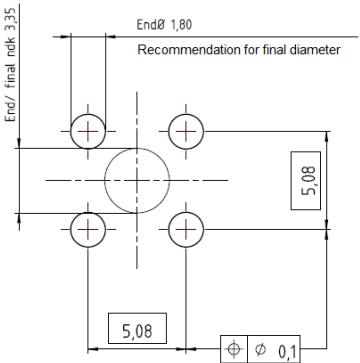
Accessories

Press in tool	
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Co-applicable documents

Powerelement Guidelines	Link to Powerelement Guidelines
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Standard drill pattern

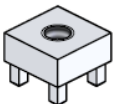
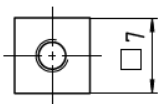
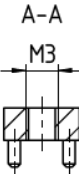
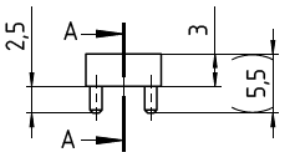
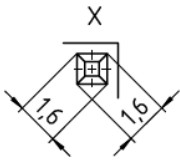
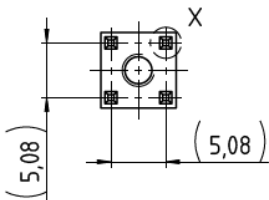


Drill hole specification for PCB

Cu		Cu – in Hole	Average min. 25 µm *
End Ø		HAL chem. surfaces	(1,800 mm +0,1 / -0,05 mm) (1,800 mm +0,1 / -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

Projection mode

Revision	Date	All measures in
C	03.07.25	mm

Part no.

K98216-Q

Description

PowerOne THR Bush vertical through hole

