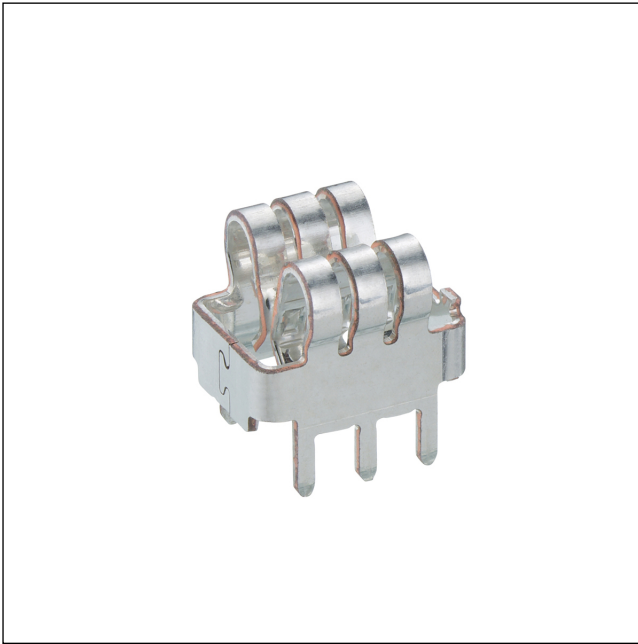


45 458000 03

High-current contact elements



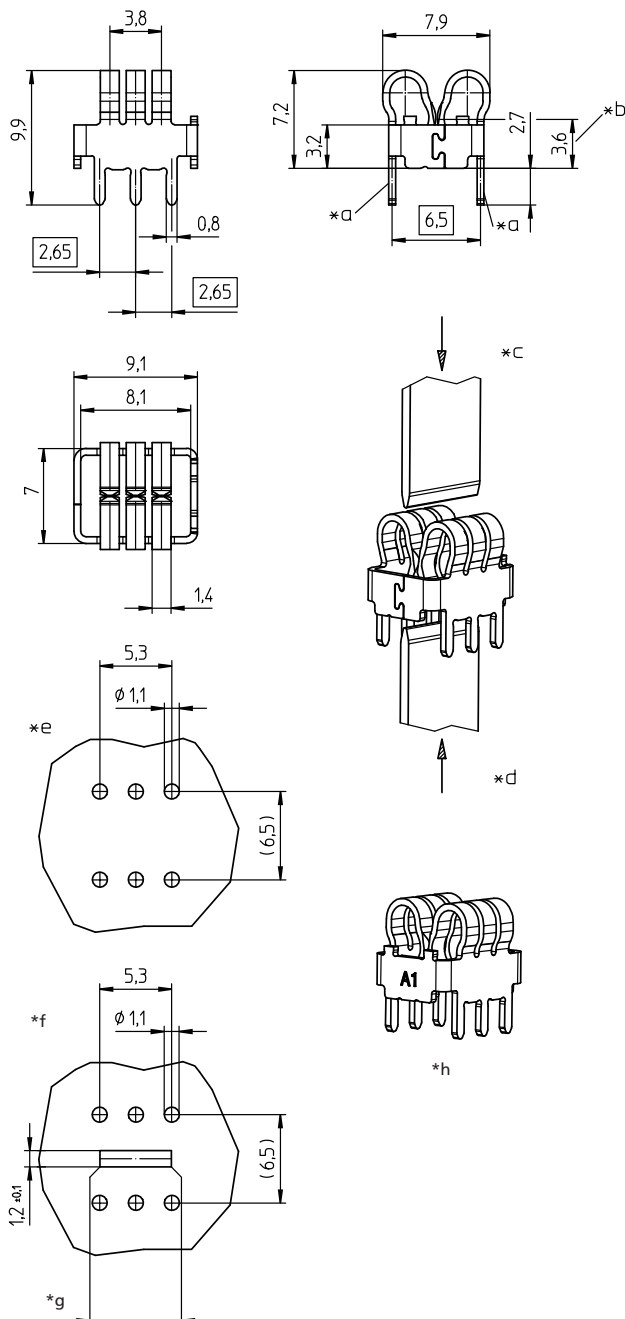
High-current contact bush, in through hole technology (THT), mateable from top or bottom direction, for tab contacts 0.8 mm, for printed circuit boards

Approvals:

LV215

VW
80332

45 458000 03



Environmental conditions

Temperature range -40 °C/+125 °C

Materials

Contact CuCr alloy, tin-plated

Mechanical data

Mating with tab contact 5.3–7.2 mm x 0.8–1.0 mm
applicable for THT soldering on printed circuit board

Mating cycles ≤ 5

Insertion force tab contact 0.8 mm
22 N ± 12 N – top or bottom entry
tab contact 1.0 mm
22 N ± 12 N – top or bottom entry¹

Withdrawal force 6 N +10/-3 N¹

¹ measured with polished steel test tabs

Electrical data (at T_{amb} 20 °C)

Contact resistance < 0.5 mΩ

Rated current ≤ 86 A – 458000 03 0,8 V12VP...¹

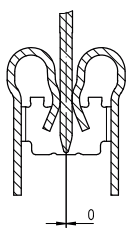
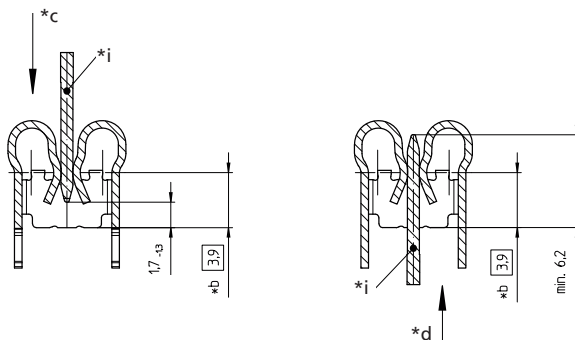
¹ depending on the connection to the printed circuit board/busbar, installation situation and heat dissipation

Associated products

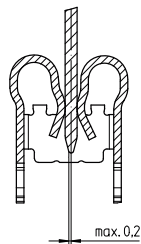
Counterparts
 459020 0,8 1700  459120 0,8 2000

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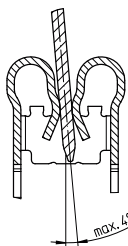
Assembly tolerances for top and bottom entry
- tab dimensions 4.8 mm x 0.8 mm x length 8 mm
- larger assembly tolerances possible for lengths > 15 mm



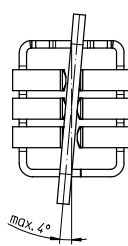
typical mating



permissible lateral offset



permissible tilt

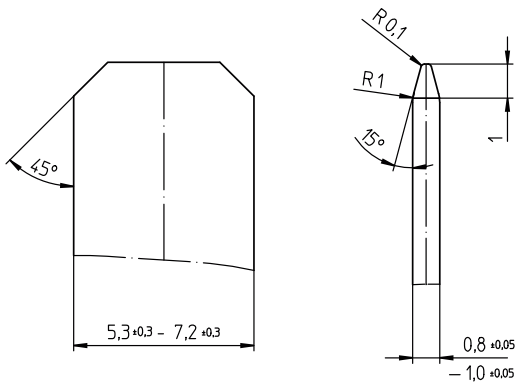


permissible twist

permissible combined tolerances
tilt max. 2°, twist max. 2°

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Geometry of the mating tab contact



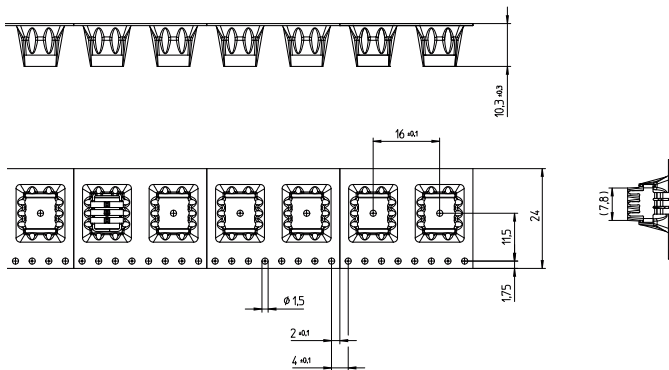
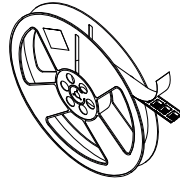
Material to be coordinated with Lumberg.

Packaging

reel: 330 mm/110 mm/32.5 mm

leader: 400 mm, 25 empty cavities

trailer: 160 mm, 10 empty cavities



45 458000 03

-
- *a solder pins
 - *b height contact point
 - *c mating from top direction
 - *d mating from bottom direction
 - *e printed circuit board layout for mating from top direction (example)
 - *f printed circuit board layout for mating from top or bottom direction (example)
 - *g slot in the printed circuit board min. 0.5 mm wider than tab
 - *h marking A1 for type 458000 03 0,8

45 458000 03

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
458000 03 0,8 V12VP12	1	390	3120

Packaging:
on reel