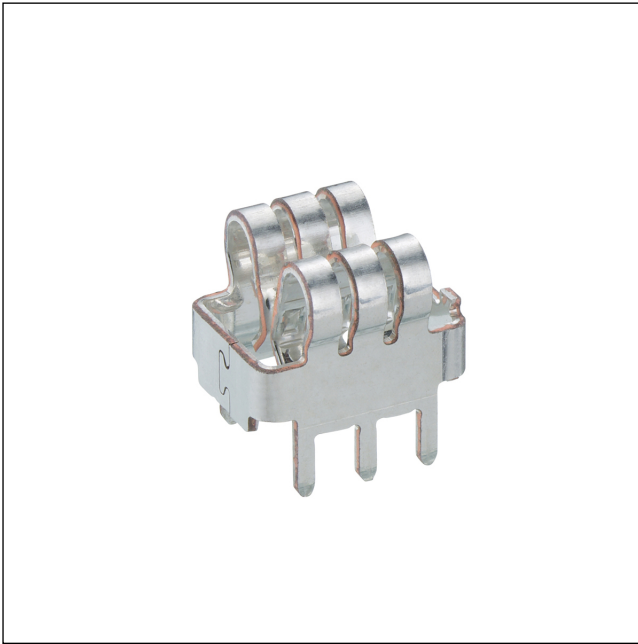


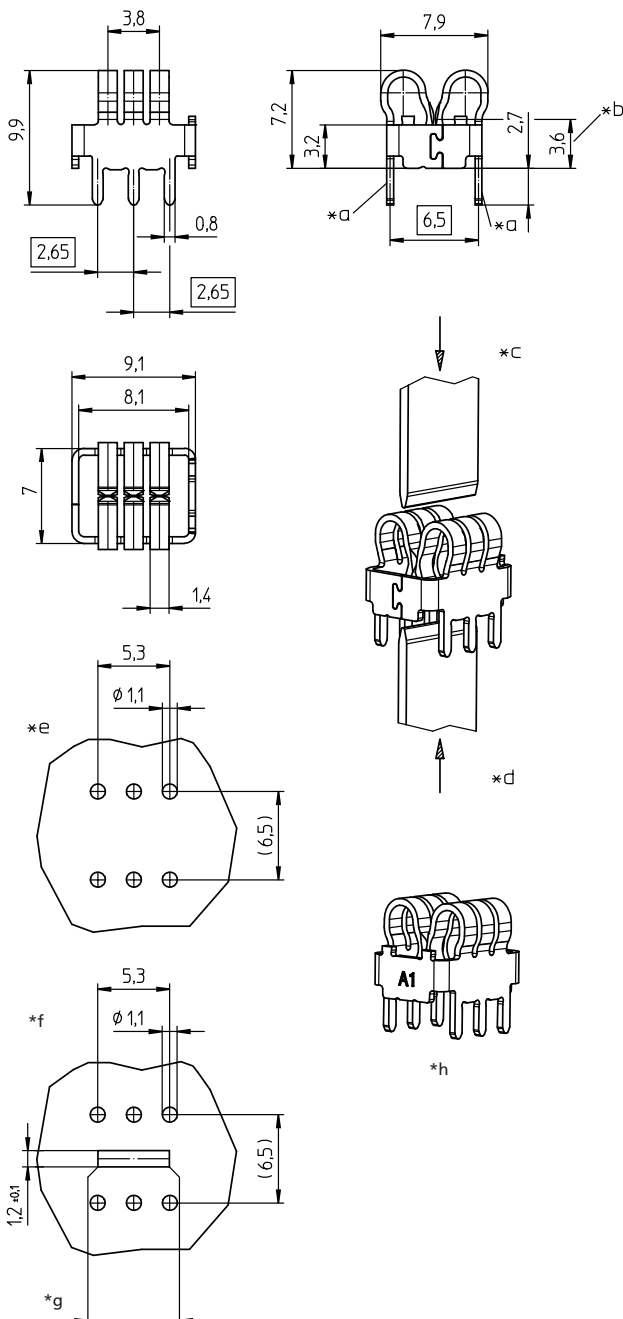
45 4580 03 SP

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

45 4580 03 SP



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)

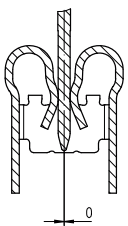
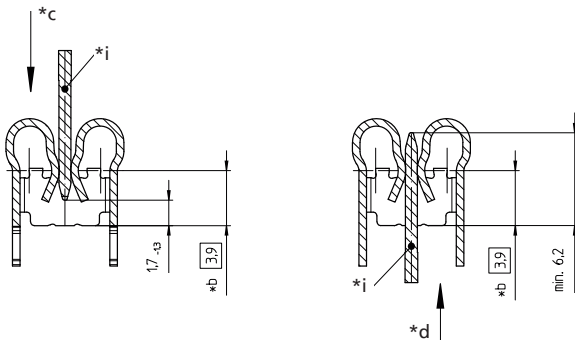
Contact resistance < 0.5 mΩ

Rated current ≤ 86 A – 4580 03 T0,8 V12¹

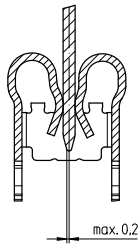
¹ depending on the connection to the printed circuit board/busbar, installation situation and heat dissipation

45 4580 03 SP

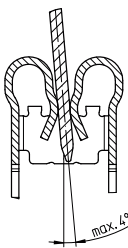
Assembly tolerances for top and bottom entry
- tab dimensions 4.8 mm x 0.8 mm x length 8 mm
- larger assembly tolerances possible for lengths > 15 mm



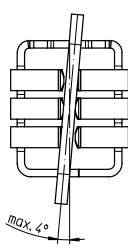
typical mating



permissible lateral offset



permissible tilt

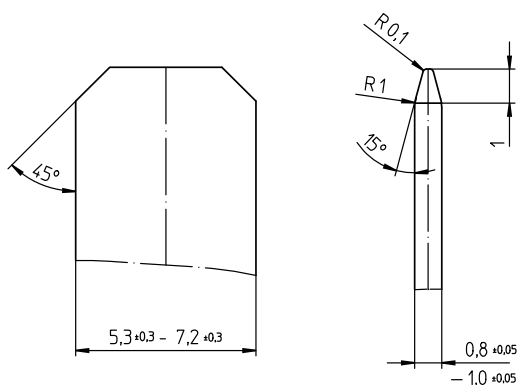


permissible twist

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

45 4580 03 SP

Geometry of the mating tab contact



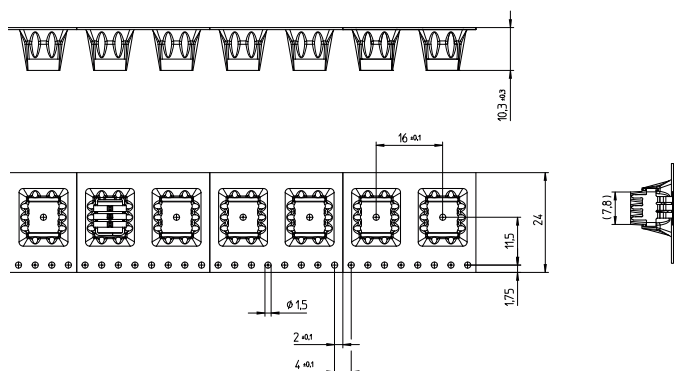
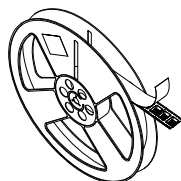
Material to be coordinated with Lumberg.

Packaging

reel: 330 mm/110 mm/32.5 mm

leader: 400 mm, 25 empty cavities

trailer: 160 mm, 10 empty cavities



45

4580 03 SP

-
- *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 4580 03 SP T0,8

45

4580 03 SP

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
4580 03 SP T0,8V12VP12	1	350	2100

Packaging:

on reel