

VKB-635

PRODUCT-INFORMATION High Current Test Probes

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RELIABLE CONTACTING OF BATTERY CELLS UP TO 100 A

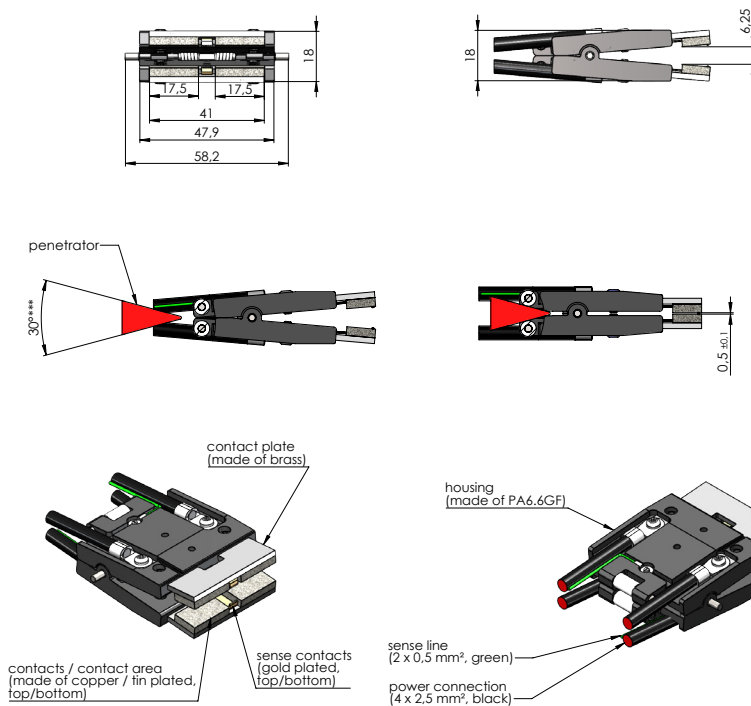
Application / Features

- Four-pole clamp for contacting battery cells up to 100 A, depending on the battery cell's maximum permitted temperature. See current-temperature graph
- For connection to battery cells 05 mm +/-0.1 mm thick
- Gold-plated sense contacts allow more reliable contacting and precise measurement of the voltage directly on the device under test (DUT)
- Durable tin-plated contact surfaces ensure low-stress, passive contacting with low contact resistance
- Optional temperature sensor can be integrated (not additional drilling required)
- Two clamps (+/-) required to contact each battery cell.
- The clamps are connected using four cables. These are included in delivery (length: 400m)

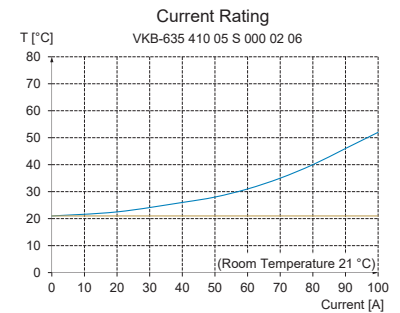
Function / Assembly

- Actuation via an activator, e.g. via a pneumatic cylinder or toggle lever. A nominal force of 75 N is recommended for a 30° wedge.
- The clamp is fastened via the axis in a receptacle (hole).
- The electrical connection is made via four cables with a cross-section of 2.5 mm².
- The sense contact is connected via two cables with a cross-section of 0.5 mm²

Mounting and functional dimensions



Current rating



Mechanical data See pictures

Materials
Plunger: Cu, tin-plated
Barrel: Plastic (PA66GF30)
Return spring: Stainless steel, on-plated

Operating temperature

Current rating: 80 A (dT 20 Kelvin)
100 A (dT 35 Kelvin)
Ri typical: ≤ 5 mΩ

Operating temperature

Standard: -40° bis +80° C

Ordering example:

V K B - 6 3 5 4 1 0 0 5 S 0 0 0 0 2 0 6