

NEW

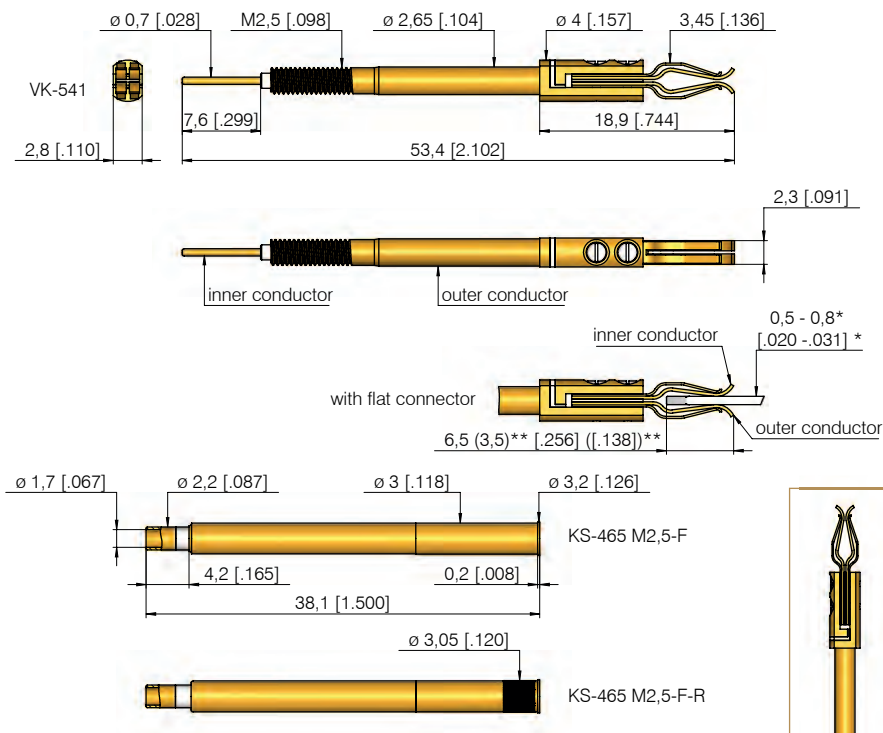
VK 541

Four-wire Clip up to 10 A

Grid:
 ≥ 3,50 mm
 ≥ 140 Mil

Installation height with KS: 19,1 mm (.752)
 Recommended stroke: 5,0 mm (.197)

Mounting and functional dimensions



Note:

The VK-541 is a four-wire version of the original KK-541 contact clip. In addition to the reliable contacting of flat connectors on the outer surface, the VK-541 enables a four-wire measurement. Hence, the voltage can be measured directly on the contacting area thus determining the resistance.

Due to the double spring clip, the VK-541 is ideal for harsh test conditions i.e. vibrations, contamination, and longer testing cycles.

Materials

Spring clip: BeCu, gold-plated
 Barrel: Brass, gold-plated
 Receptacle: Brass, gold-plated

Electrical data

Current rating (at room temp.)
 - outer conductor: max. 10 A
 - inner conductor: max. 1 A
 R_i typical outer conductor: < 5 mΩ
 R_i typical inner conductor: < 10 mΩ

Flat connector to be contacted

Min. length: 3,5 mm (.138)
 Thickness flat connector*: 0,5 - 0,8 mm (.020 - .031)

Operating temperature

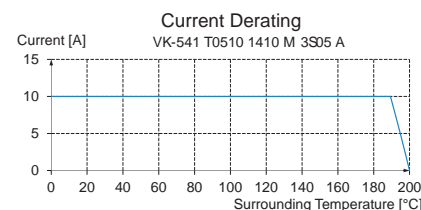
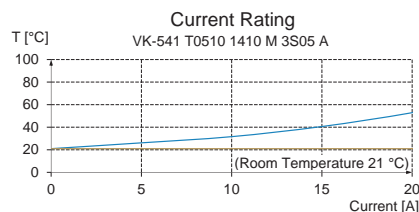
Standard: -100° up to +200° C

Mounting hole size

for KS-465 M2,5-F in CEM1 and FR4: ∅ 2,98 - 2,99 mm (.1173 - .1177)
 for KS-465 M2,5 F-R: ∅ 3,00 - 3,02 mm (.1181 - .1189)

Recommended Screw-in torque

VK-541 in KS-465: 3 cNm



Mechanical data

Min. immersion depth**: 3,5 mm (.138)
 Max. immersion depth**: 6,5 mm (.256)

Dipole HSS
Robust HSS

Ordering example

Four-wire clip:

V K 5 4 1 T 0 5 1 0 1 4 1 0 M 3 S 0 5 A

Receptacle for VK-541:

K S - 4 6 5 M 2, 5 - F K S - 4 6 5 M 2, 5 - F - R