

NEW

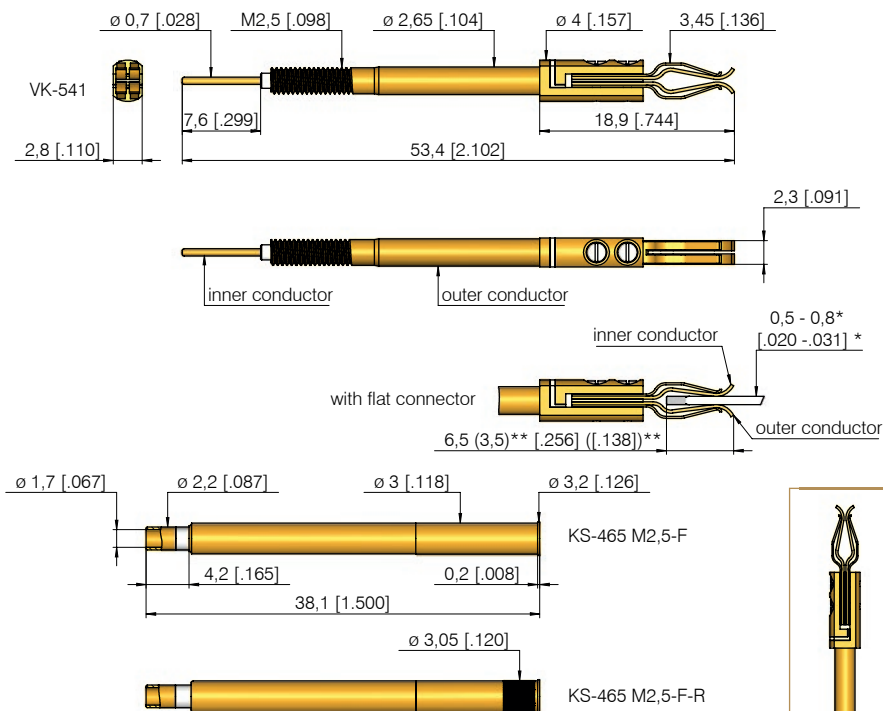
VK 541

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<sub>i</sub> typical outer conductor: < 5 mΩ  
 R<sub>i</sub> 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

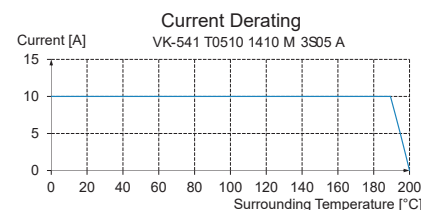
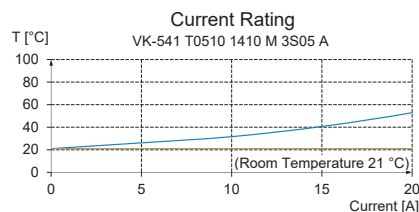
Standard: -100° up to +200° C

### 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