

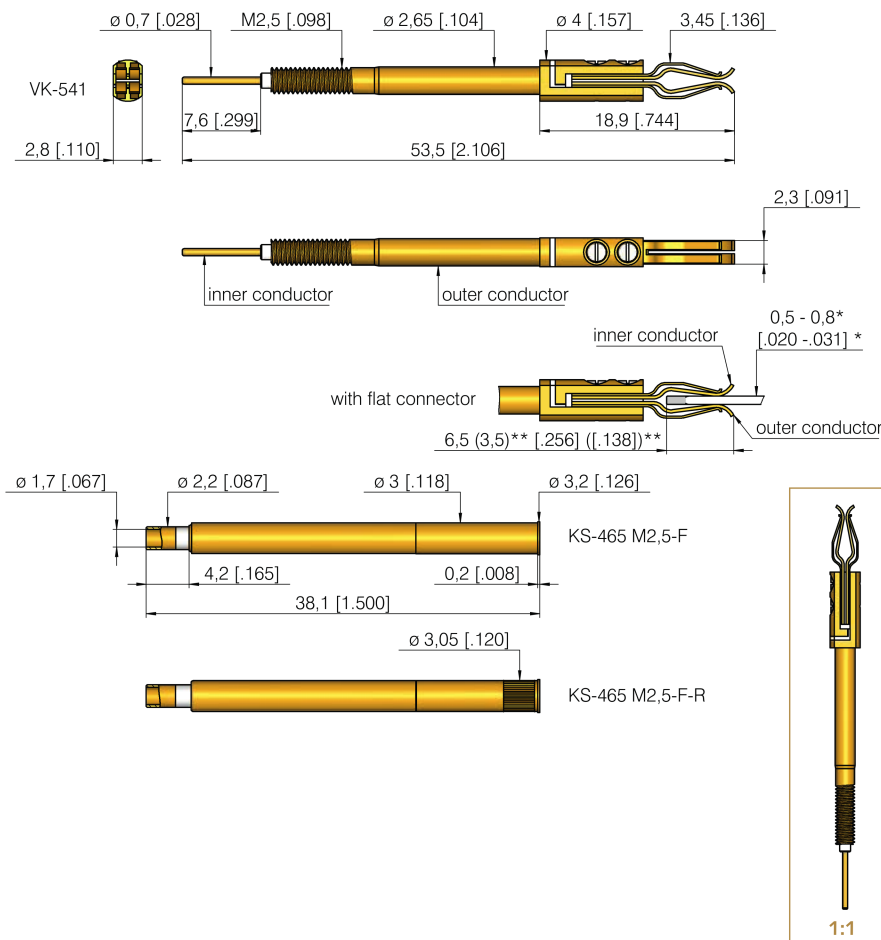
Grid:
 $\geq 3,50 \text{ mm}$
 $\geq 140 \text{ Mil}$
Installation height with KS: 19,1 mm (.752)
Recommended stroke: 5,0 mm (.197)

NEW

VK 541

Four-wire Clamp up to 10 A

Mounting and functional dimensions



Note:

The **VK-541** is a four-wire version of the original **KK-541** contact clamp. 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

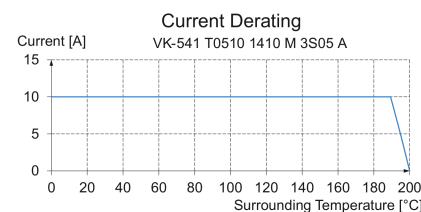
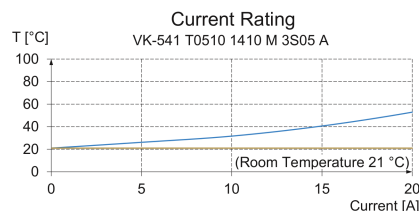
Standard: -100° up to +200° C

Mounting hole size

for KS-465 M2,5-F in CEM1 and FR4: $\varnothing 2,98 - 2,99 \text{ mm}$ (.1173 - .1177)
for KS-465 M2,5 F-R: $\varnothing 3,00 - 3,02 \text{ mm}$ (.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)

Ordering example

Four-wire clamp:

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