

# HKF 617

Scratch-free Contacting  
of Flat Connectors up to 40 A

NEW

Grid:

≥ 5,50 mm

≥ 220 Mil

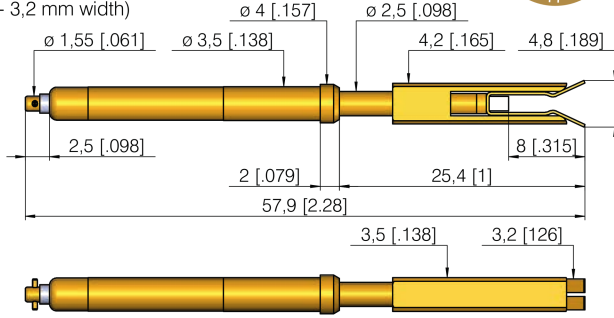
Installation height with KS: 27,9 mm (1.098)

Recommended stroke: 4,4 mm (.173)

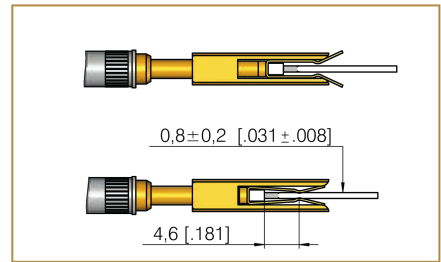
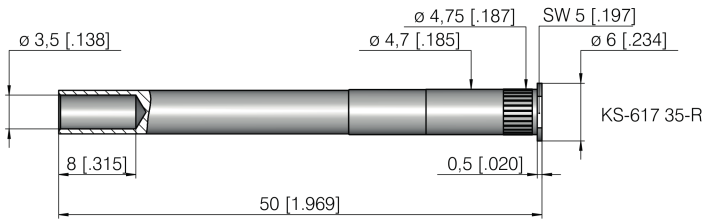
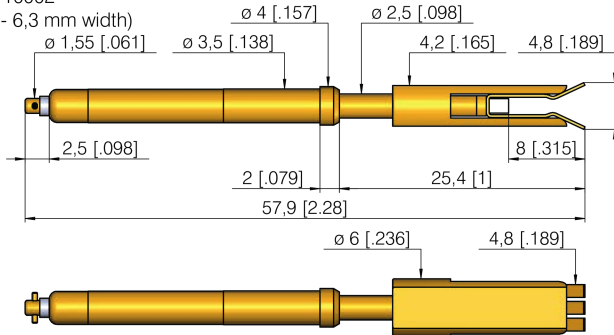
## Mounting and functional dimensions



HKF-617 032 08 080 A 10002  
(for flat connectors 2,8 - 3,2 mm width)



HKF-617 063 08 080 A 10002  
(for flat connectors 4,8 - 6,3 mm width)



### Note:

The high current clamp HKF-617 enables secure contacting of flat connectors of 20 to 40 A. During the contacting process, the contact lamellae are pressed onto the flat connectors without scratching them.

### Materials

**Spring clip:** Bronze, gold-plated  
**Barrel:** Brass, gold-plated  
**Receptacle:** Brass, gold-plated

### Electrical data

**Current rating (at room temp.):**  
**HKF-617 032:** max. 20 A  
**HKF-617 063:** max. 40 A  
**R<sub>i</sub> typical:** < 5 mΩ

### Flat connector to be contacted

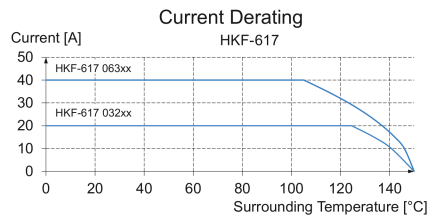
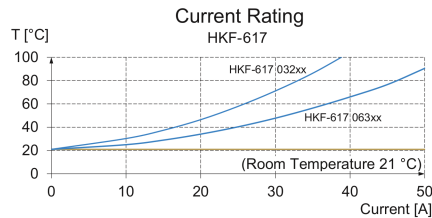
**Min. length:** 9,0 mm (.354)  
**Thickness flat connector:** 0,8 ± 0,2 mm (.031 ± .008)

### Operating temperature

**Standard:** -100° up to +150° C

### Mounting hole size

**for KS-617 35-R in CEM1 and FR4:** ø 4,68 - 4,72 mm (.1840 - .1860)



### Mechanical data

**Min. immersion depth:** 8,0 mm (.315)  
**Working stroke:** 4,4 mm (.173)  
**Max. stroke:** 5,5 mm (.217)  
**Spring-force at work. stroke:** 10 N (35.97oz)

## Ordering example

Series	Width (1/10 mm)	Thickness flat connector (1/10 mm)	Immersion depth (1/10 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)
High current clamp (width 2,8 - 3,2 mm):	H K F	6 1 7	0 3 2	0 8	0 8 0	A 1 0 0 0 2
High current clamp (width 4,8 - 6,3 mm):	H K F	6 1 7	0 6 3	0 8	0 8 0	A 1 0 0 0 2
Receptacle:	K S - 6 1 7 3 5 - R					