

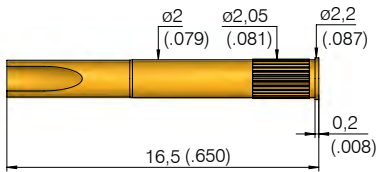
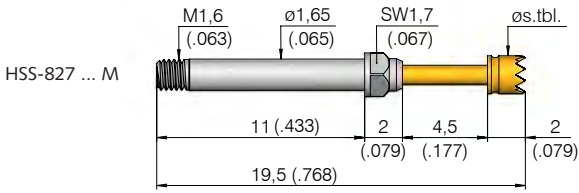
# HSS 827 M

High Current Probe up to 20 A  
Screw-in Test Probes

Grid:  
≥ 2,54 mm  
≥ 100 Mil

Installation height with KS: 8,7 mm (.343)  
Recommended stroke: 3,5 mm (.138)

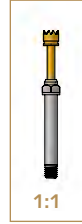
## Mounting and functional dimensions



KS-427 30 M-R

## Available tip styles

Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
3	02* 	S	∅ 2,00 (.079)	
3	06 	A	∅ 2,00 (.079)	



\* pressed-in silver stud

### Compatible GKS

GKS-427 M (assembled in same receptacle)

### Materials

**Plunger:** BeCu, gold-plated or silver stud  
**Barrel:** Brass, silver-plated  
**Spring:** Stainless steel, gold-plated  
**Receptacle:** Brass, gold-plated

### Operating temperature

Standard: -100° up to +200° C

### Mounting hole size

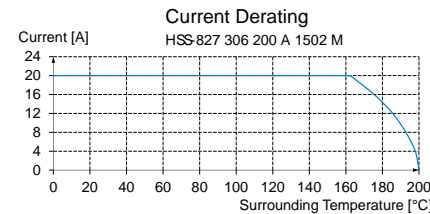
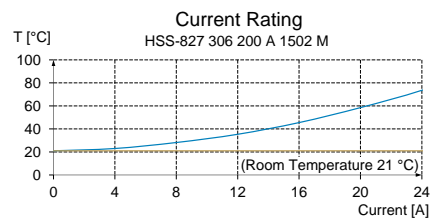
for KS-427 30 M-R  
in CEM1 and FR4: ∅ 2,00 - 2,02 mm  
(.0787 - .0795)

### Recommended screw-in torque

Min. 3 cNm / Max. 5 cNm

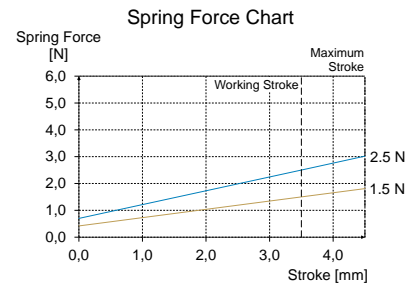
### Electrical data

**Current rating (at room temp.):** max. 20 A  
**R<sub>j</sub> typical:** < 10 mΩ



### Mechanical data

**Working stroke:** 3,5 mm (.138)  
**Maximum stroke:** 4,5 mm (.177)  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 2,5 N (9.0oz)



## Ordering example

Series	Tip material	Tip style	Tip diameter (1/100 mm)	Plating	Spring force (dN)	Collar height (mm)	Type
	3 = BeCu			A = Gold S = Silver			

Test probe:

H S S 8 2 7 3 0 6 2 0 0 A 1 5 0 2 M

Receptacle:

K S - 4 2 7 3 0 M - R