

HSS 827 M

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

Grid:

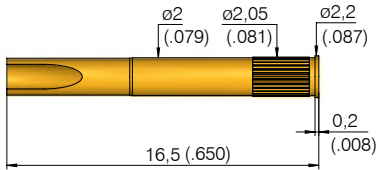
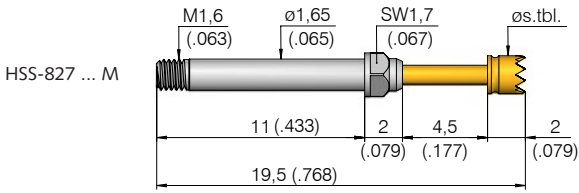
≥ 2,54 mm

≥ 100 Mil

Installation height with KS: 8,7 mm (.343)

Recommended stroke: 3,5 mm (.138)

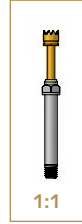
Mounting and functional dimensions



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:

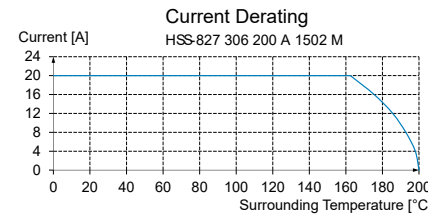
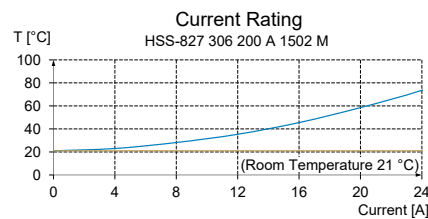
∅ 2,00 - 2,02 mm
(.0787 - .0795)

Recommended screw-in torque

Min. 3 cNm / Max. 5 cNm

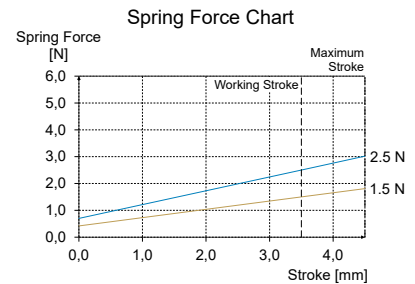
Electrical data

Current rating (at room temp.): max. 20 A
R_j 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