

NEW

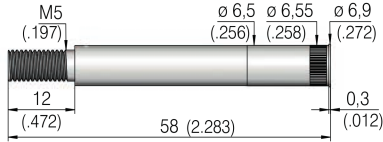
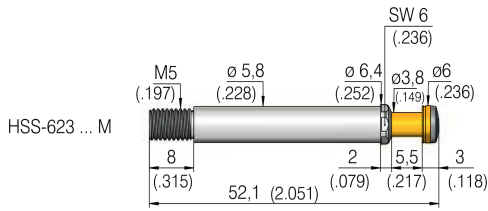
# HSS 623 M

High Current Probe up to 100 A  
Screw-in Test Probe

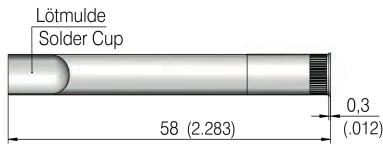
Grid:  
≥ 7,60 mm  
≥ 300 Mil

Installation height with KS: 10,8 mm (.425)  
Recommended stroke: 4,4 mm (.173)

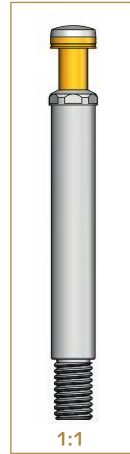
## Mounting and functional dimensions



KS-623 M4 M5-R



KS-623 30 M5-R



## Available tip styles

Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
3 05*		S		
3 06		A		

\* pressed-in silver stud

### Materials

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

### Operating temperature

**Standard:** -100° up to +200° C

### Mounting hole size

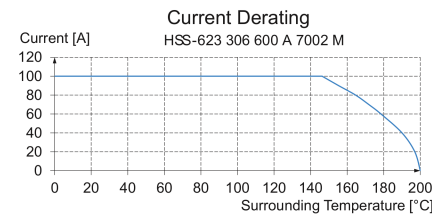
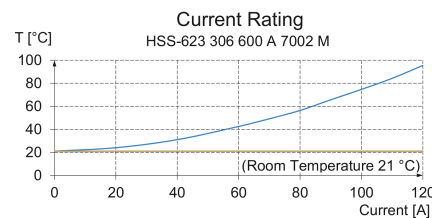
for KS-623 xx M5-R  
in CEM1 and FR4: ∅ 6,50 - 6,52 mm  
(.2559 - .2567)

### Recommended tightening torque

HSS-623 M in KS-623: 40 cNm  
Cable at KS-623: 4 Nm  
Solder connection KS-623  
for cable with wire cross section: ≤ 16 mm<sup>2</sup>

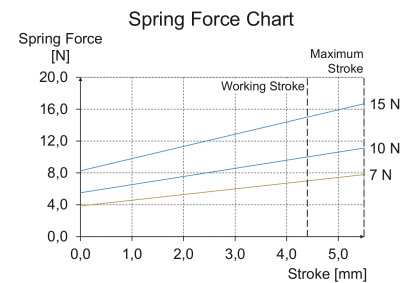
### Electrical data

**Current rating (at room temp.):** max. 100 A  
**R<sub>j</sub> typical:** < 5 mΩ



### Mechanical data

**Working stroke:** 4,4 mm (.173)  
**Maximum stroke:** 5,5 mm (.217)  
**Spring force at work. stroke:** 7,0 N (25.2oz)  
**Alternative:** 10,0 N (36oz); 15,0 N (54oz)



## 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   6 2 3   3   0 6   6 0 0   A   7 0   0 2   M

Receptacles:

K S - 6 2 3   M 5 M 5 - R   K S - 6 2 3   3 0   M 5 - R