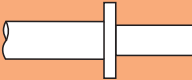
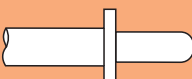



Screw-in Step Probes
 Installation Height: see table
 Recommended Stroke: 4,0 (.157)

Grid:
 ≈ 2,54 mm
 ≈ 100 Mil

T 112 M

Available Tip Styles				
Material	Tip Style	Standard Plating	Special Versions	
			Ø	(Ø inch)
3	02 	A		
3	05 	A		
3	05 G 	A		

Mechanical Data

Working Stroke: 4,0 mm (.157)
 Maximum Stroke: 5,0 mm (.197)
 Spring Force at Work. Stroke: 1,5 N (5.4oz)
 alternative: 0,6 N (2.1oz); 0,8 N (2.9oz); 2,25 N (8.1oz);
 3,0 N (10.8oz); 5,0 N (18oz).

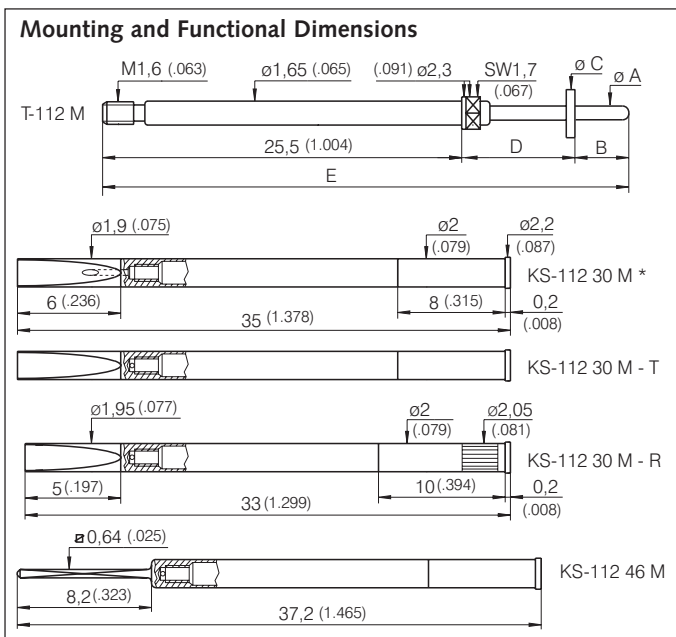
Operating Temperature

Standard: -40° up to +80° C

Materials

Plunger: BeCu, gold-plated
 Barrel: Brass, gold-plated
 Spring: Steel, gold-plated or stainless Steel (MC)
 Receptacle: Brass, gold-plated

Note to T - 112 M and KS - 112 ... M
 T-112 ... M will be screwed into KS-112 ... M using special tools
 > see page 103.
 Recommended Screw-in Torque: Maximum 5 Ncm.



* Axially positioned through-hole for leakage test. Attention: when not assembled correctly, then solder can flow inside the receptacle.

Collar Height and Installation Height

see table

Mounting Hole Size for KS - 112 xx M and M-T

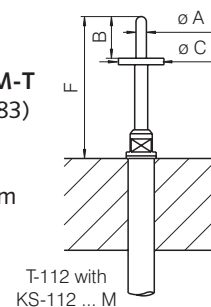
in CEM 1 and FR 4: Ø 1,99 mm (.0783)

Mounting Hole Size for KS - 112 xx M - R

in CEM 1 and FR 4: Ø 2,00 - 2,02 mm (.0787 - .0795)

Electrical Data

Current Rating: 5-8 A
 R_i typical: < 20 mΩ



Part Nr.	A		B		C		D		E		F	
	Tip-Ø	Tip length	Tip length	Disk-Ø	without KS	Total Length	Installation Height	with KS				
	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)				
T-112 302 070 200 180 A xx02 M	0,7 (.028)	2,0 (.079)	1,8 (.071)	7,5 (.295)	35,0 (1.378)	9,7 (.382)						
T-112 302 100 330 230 A xx02 M	1,0 (.039)	3,3 (.130)	2,3 (.091)	7,5 (.295)	36,3 (1.429)	11,0 (.433)						
T-112 302 100 350 250 A xx02 M	1,0 (.039)	3,5 (.138)	2,5 (.098)	7,5 (.295)	36,5 (1.437)	11,2 (.441)						
T-112 302 130 300 250 A xx02 M	1,3 (.051)	3,0 (.118)	2,5 (.098)	7,5 (.295)	36,0 (1.417)	10,7 (.421)						
T-112 302 150 250 300 A xx02 M	1,5 (.059)	2,5 (.098)	3,0 (.118)	7,5 (.295)	35,5 (1.398)	10,2 (.402)						
T-112 305 065 250 180 A xx02 M	0,65 (.0256)	2,5 (.098)	1,8 (.071)	7,5 (.295)	35,5 (1.398)	10,2 (.402)						
T-112 305 065 270 150 A xx02 MG	0,65 (.0256)	2,7 (.106)	1,5 (.059)	7,6 (.299)	35,8 (1.409)	10,5 (.413)						
T-112 305 065 340 300 A xx02 M	0,65 (.0256)	3,4 (.134)	3,0 (.118)	7,5 (.295)	36,4 (1.433)	11,1 (.437)						
T-112 305 065 360 180 A xx02 M	0,65 (.0256)	3,6 (.142)	1,8 (.071)	7,5 (.295)	36,6 (1.441)	11,3 (.445)						
T-112 305 065 500 150 A xx02 M	0,65 (.0256)	5,0 (.197)	1,5 (.059)	7,5 (.295)	38,0 (1.496)	12,7 (.500)						
T-112 305 080 280 195 A xx02 M	0,8 (.031)	2,8 (.110)	1,95 (.077)	7,5 (.295)	35,8 (1.409)	10,5 (.413)						
T-112 305 080 280 250 A xx02 M	0,8 (.031)	2,8 (.110)	2,5 (.098)	7,5 (.295)	35,8 (1.409)	10,5 (.413)						
T-112 305 080 320 230 A xx02 M	0,8 (.031)	3,2 (.126)	2,3 (.091)	7,5 (.295)	36,2 (1.425)	10,9 (.429)						
T-112 305 080 320 350 A xx02 M	0,8 (.031)	3,2 (.126)	3,5 (.138)	7,5 (.295)	36,2 (1.425)	10,9 (.429)						
T-112 305 080 400 250 A xx02 M	0,8 (.031)	4,0 (.157)	2,5 (.098)	7,5 (.295)	37,0 (1.457)	11,7 (.461)						
T-112 305 080 460 250 A xx02 M	0,8 (.031)	4,6 (.181)	2,5 (.098)	7,5 (.295)	37,6 (1.480)	12,3 (.484)						
T-112 305 100 200 180 A xx02 M	1,0 (.039)	2,0 (.079)	1,8 (.071)	7,5 (.295)	35,0 (1.378)	9,7 (.382)						
T-112 305 100 260 250 A xx02 M	1,0 (.039)	2,6 (.102)	2,5 (.098)	7,5 (.295)	35,6 (1.402)	10,3 (.406)						

Ordering Example:

Series	Tip Material	Tip Style	Tip - Ø (1/100 mm) (A)	Tip Length (1/100 mm) (B)	Disk - Ø (1/100 mm) (C)	Plating	Spring Force (dN)	Collar Height (mm)	Special Designation alternative "MG"
	3 = BeCu					A = Gold			

Test Probe:

T 112 3 05 065 280 195 A 15 02 M

Receptacles for T-112 ... M:

KS - 112 30 M - T KS - 112 30 M - R KS - 112 46 M

Receptacles for Leakage Test *:

KS - 112 30 M

All specifications are subject to change without prior notification