TECHNICAL DATA // Series 3012/2GS

PTR HARTMANN
A Phoenix Mecano Company

Switching Test Probe with Easy-Replacement System 138 mil / 3.5 mm - Switching Travel 1.7 mm

HIGHLIGHTS	
Test Probe with switching function for cable harness test and presence verification	
Easy-replacement system (replacement without soldering)	
Version for large tip diameters	
Variable extention height	
Switching travel 1.7 mm (4.0 mm on request)	
High soldering temperature up to 300°C	
MECHANICAL DATA	
Center	3.50 mm/138 mil
Full travel	4.20 mm
Working travel	4.00 mm
Switching travel	1.70 mm
Pre-loaded spring force	0.12/ 0.25/ 0.30/ 0.50/ 0.40/ 0.60/ 1.80/ 1.40/ 1.70/ 2.00/ 2.70/ 2.00/ 5.00/ 4.00 N
Spring force at working travel	0.75/ 1.25/ 1.80/ 2.00/ 2.30/ 3.50/ 6.50/ 7.00/ 8.50/ 9.00/ 9.50/ 10.00/ 12.50/ 13.00 N
Spring force at switching travel	0.20/ 0.45/ 0.75/ 0.95/ 1.00/ 1.60/ 3.60/ 3.60/ 4.40/ 4.80/ 5.40/ 5.20/ 8.00/ 7.60 N
Temperature range	-30 °C - +120 °C
ELECTRICAL DATA	
Receptacle-Plunger	
Continuous current	5.0 A
Typical continuity resistance	<= 15 mOhm
Pin-Plunger	
Continuous current	1.0 A
Typical continuity resistance	<= 50 mOhm
Electric strength	1.000 V
MATERIALS	
Barrel	Brass, gold-plated
Plunger	Steel, CuBe
Receptacle	Brass, gold-plated
RECOMMENDED DIAMETER OF DRILL	
H 3011/GWR5 (/R /RK)	
HP 2361.1 / EP CP 201 (trolitax)	3.02 mm
HGW 2372 (glass filled material)	3.04 mm
H 3011/K (/5K)	
HP 2361.1 / EP CP 201 (trolitax)	3.01 mm
HGW 2372 (glass filled material)	3.02 mm

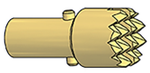
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AVAILABLE SCREW TOOLS

Article Designation	max. Tip Diameter
WFSB 3012/G-S1.8	alle
WFSB 3012/G-4.0-2.6	2.6

TIP STYLE - DIAMETER - PLATING



C

3.00C Au
4.00C Au



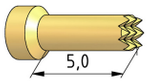
CK

2.27C Au



CL

2.30C Au
3.00C Au



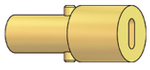
C5

1.00 Au



C23

2.30C Au



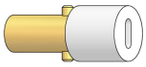
F

3.00C Au
3.50C Au
4.00C Au
4.50C Au
5.00C Au
5.50C Au 5.90 C Au



FL

3.00C Au
3.50C Au
4.00C Au
4.50C Au



F1

2.30 HTK
3.00 HTK
3.50 HTK
4.00 HTK
4.50 HTK
5.00 HTK 5.50 HTK
5.90 HTK



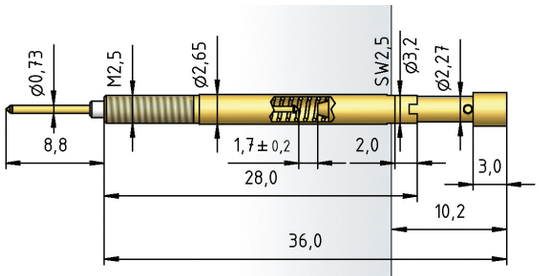
F1L

3.00 HTK
3.50 HTK
4.00 HTK
4.50 HTK
5.00 HTK
5.50 HTK 5.90 HTK

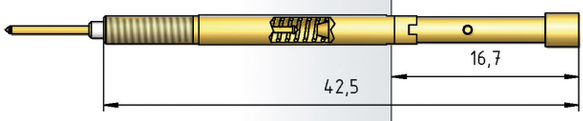
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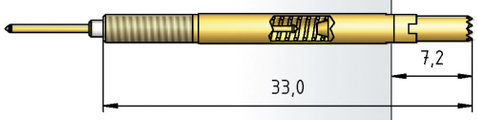
3012/2GS



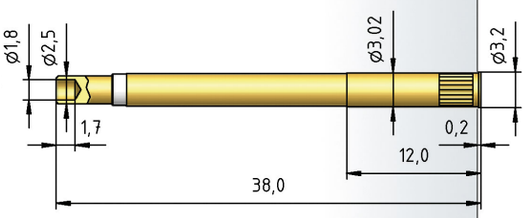
3012/2GS for Tip Styles CL / F1L



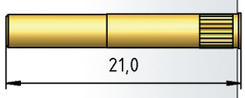
3012/2GS-CK



H 3011/GWR5



H 3011/R



H 3011/K



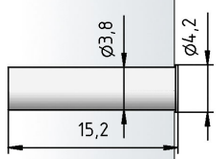
H 3011/RK

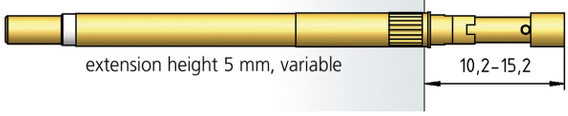


H 3011/5K



HI 3011 (from center 197 mil)





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HOW TO ORDER

3012/	2	G	S	-	F	-	1.8 N	-	Au	-	3.0	C
1	2	3	4		5		6		7		8	9

1. Series 2. Collar Height 3. Threaded Design
4. Plug-in Connector 5. Tip Style 6. Spring Force
7. Tip Plating 8. Tip Diameter 9. Tip Material (only for CuBe)