TECHNICAL DATA // Series 3023/2GS

PTR HARTMANN
A Phoenix Mecano Company

Switching Test Probe with Easy-Replacement System 100 mil / 2.54 mm

HIGHLIGHTS		
Test Probe with switching function for cable harness test and presence verification		
Easy-replacement system (replacement without soldering)		
Variable extention height		
High soldering temperature up to 300°C		
MECHANICAL DATA		
Center	2.54 mm/100 mil	
Full travel	5.00 mm	
Working travel	4.00 mm	
Switching travel	1.50 mm	
Pre-loaded spring force	0.12/ 0.30/ 0.40/ 0.80/ 0.80/ 1.40 N	
Spring force at working travel	0.85/ 1.35/ 2.00/ 3.00/ 3.50/ 6.50 N	
Spring force at switching travel	0.20/ 0.50/ 0.80/ 1.45/ 1.60/ 3.10 N	
Temperature range	-30 °C - +120 °C	
ELECTRICAL DATA		
Receptacle-Plunger		
Continuous current	3.0 A	
Typical continuity resistance	<= 20 mOhm	
Pin-Plunger		
Continuous current	1.0 A	
Typical continuity resistance	<= 50 mOhm	
Electric strength	1000 V	
MATERIALS		
Barrel	Brass, gold-plated	
Plunger	Steel	
Receptacle	Brass, gold-plated	
RECOMMENDED DIAMETER OF DRILL		
HP 2361.1 / EP CP 201 (trolitax)	2.00 mm	
HGW 2372 (glass filled material)	2.01 mm	
AVAILABLE SCREW TOOLS		
Article Designation	max. Tip Diameter	
WFSB 1021/G-2.54-1.8	1.8	
WFSB 1021/G-2.54-2.0	2.0	
WFSB 1021/G-3.5-3.0-Z	3.0	
WFSB 1021/G-C2S-3.0-2.5-Z	2.5	
RECEPTACLE EXTRACTION TOOL		
Receptacle	Complete	Insertion
WFSB 1021/G-C2S-3.0-2.5-Z		

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TIP STYLE - DIAMETER - PLATING



A
1.80 Au



C
1.00 Au 1.30 Au 1.50 Au 1.80 Au 2.00 Au 2.30 Au



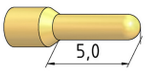
CL
1.00 Au 1.40 Au 1.80 Au



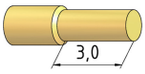
D
0.80 Au 1.00 Au



DL
1.00 Au



D1
0.64 Au



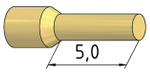
F
0.64 Au



F
0.70 Au 0.80 Au 1.00 Au



F
1.80 Au



F1
0.60 Au



F1
1.80 HTK 2.30 HTK



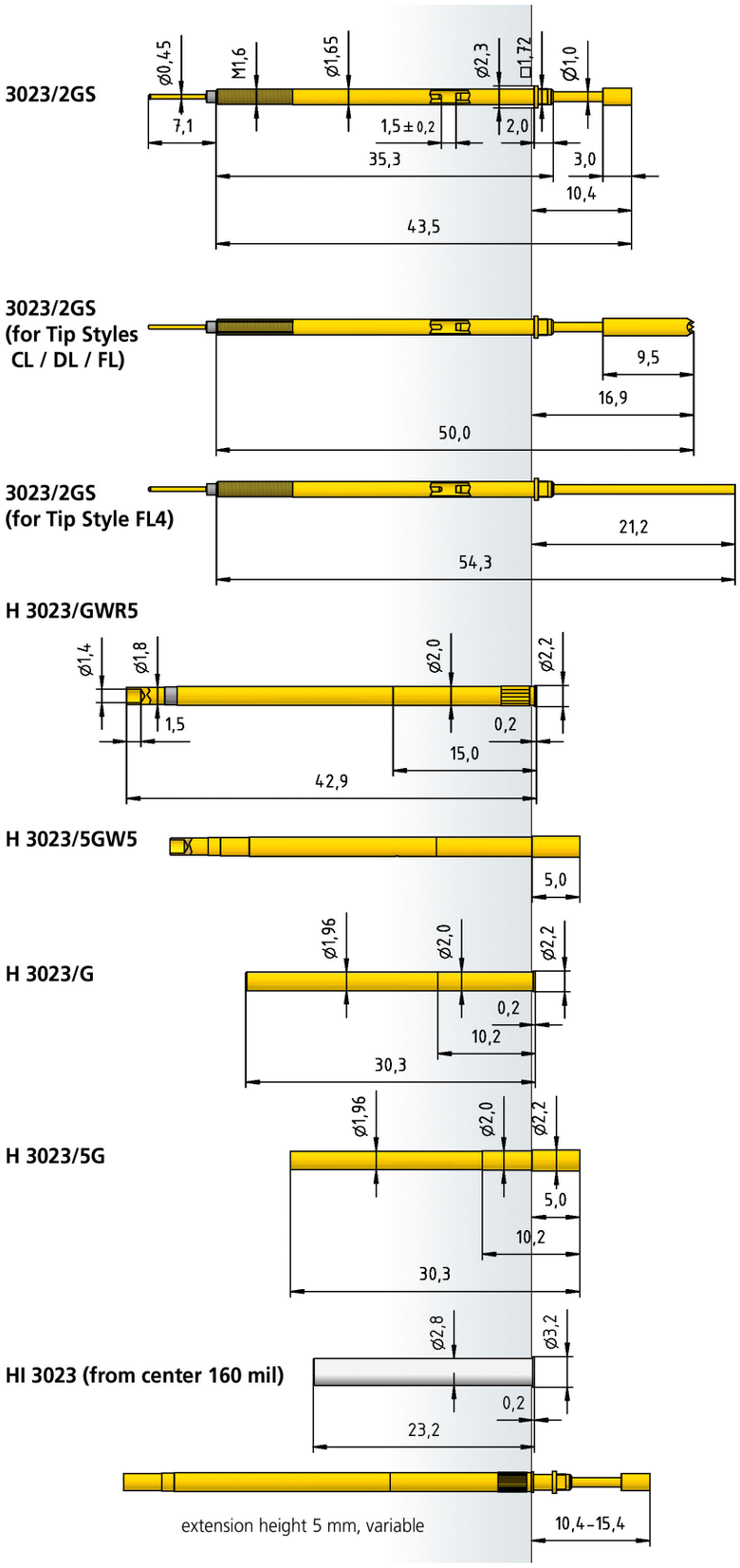
FL
1.00 Au



FL4
1.00 Au

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HOW TO ORDER

3023/	2	G	S	-	F	-	3.5 N	-	Au	-	1.8
1	2	3	4		5		6		7		8

1. Series 2. Collar Height 3. Threaded Design
4. Plug-in Connector 5. Tip Style 6. Spring Force
7. Tip Plating 8. Tip Diameter