

**Technical Data // Series 3012/2GS • FS1/FLS1**

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

Threaded type

Easy-replacement system (replacement without soldering)

Version for large tip diameters

Tips insulated

Switching travel 1.7 mm (4.0 mm on request)

High soldering temperature up to 300°C

Variable extension height

MECHANICAL DATA

Center	3.50 mm/138 mil
Temperature range	-30 °C - +120 °C
Full travel	4.50 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

ELECTRICAL DATA**Receptacle-Plunger**

Max. current rating	5.0 A
Typical continuity resistance	<= 15 mOhm

Pin-Plunger

Max. current rating	1.0 A
Typical continuity resistance	<= 50 mOhm
Typical insulating voltage	1000 V

MATERIALS

Barrel	Brass, gold-plated
Spring	Spring Steel, gold-plated
Plunger	CuBe, gold-plated
Tip	CuBe, passiviert
Receptacle	Brass, gold-plated

RECOMMENDED DIAMETER OF DRILL**H 3011/GWR5 (/R /RK)**

HP 2361.1 (trolitax)	3.02 mm
HGW 2372 (glass filled material)	3.04 mm

H 3011/K (/5K)

HP 2361.1 (trolitax)	3.01 mm
HGW 2372 (glass filled material)	3.02 mm

AVAILABLE SCREW TOOLS

Article Designation

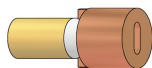
max. Tip Diameter



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TIP STYLE - DIAMETER - PLATING



FS1

- 3.00C Au/CB
- 3.50C Au/CB
- 4.00C Au/CB
- 4.50C Au/CB
- 5.00C Au/CB
- 5.50C Au/CB 5.90 C Au/CB



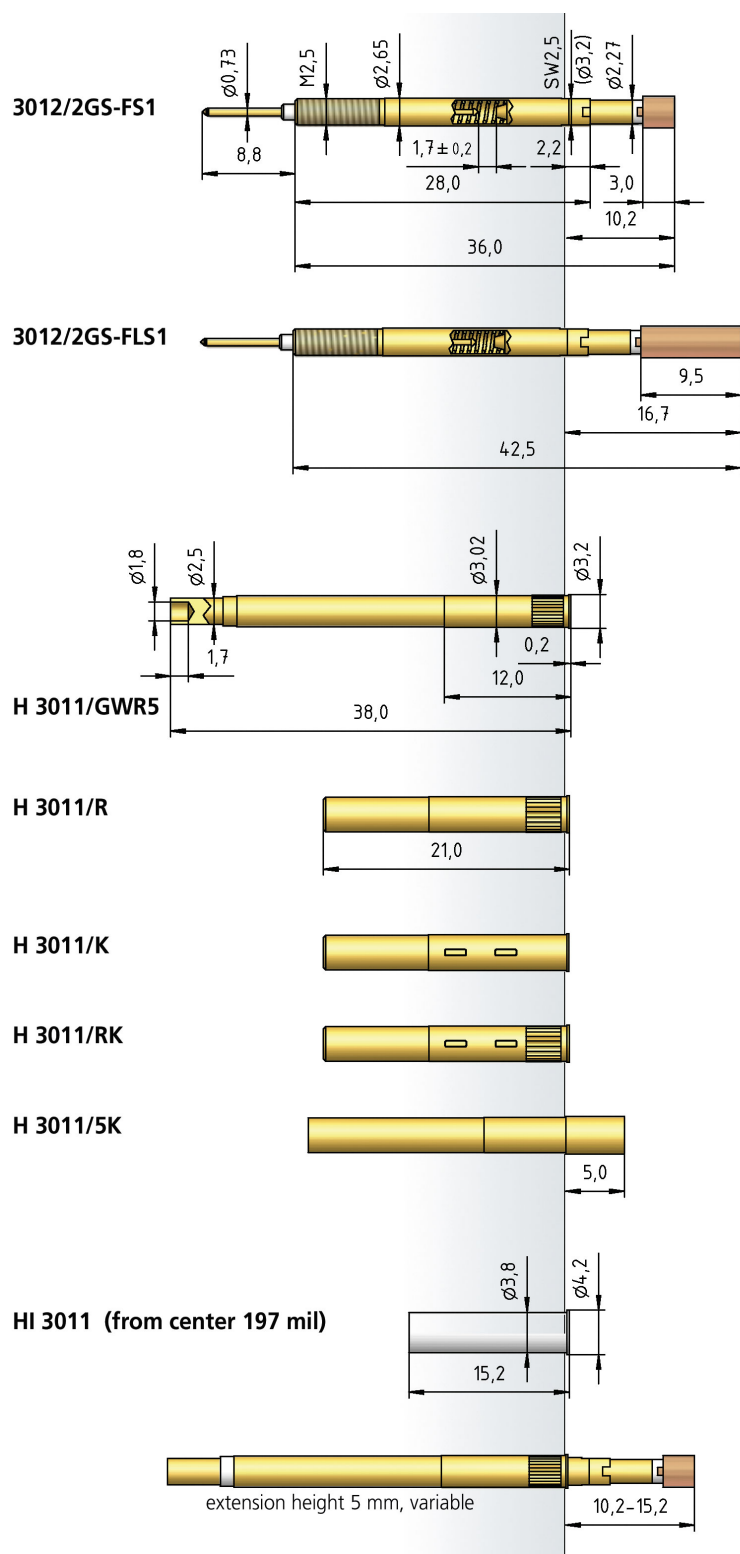
FLS1

- 3.00C Au/CB
- 3.50C Au/CB
- 4.50C Au/CB
- 5.00C Au/CB



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HOW TO ORDER

<u>3012/</u>	<u>2</u>	<u>G</u>	<u>S</u>	-	<u>FS1</u>	-	<u>3.0</u>	<u>N</u>	-	<u>Au/CB</u>	-	<u>3.0</u>	<u>C</u>
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>		<u>5</u>		<u>6</u>			<u>7</u>		<u>8</u>	<u>9</u>

- 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)