



Kelvin Probes

F81016S040L230S1

Order code 1024032

General

Design	Coaxial Probe
Family	F810
Pitch [mm/mil]	2.54 / 100
Temperature [C°]	-45°C...+100°C
Additional definition	S1

Electrical specifications

Continuous current [A]	3.00
Typical contact resistance [mOhm]	20.00
Impedance [ohm]	50.00
Frequency [GHz]	1.20
Continuous current 2 [A]	0.80

Inner contact specifications

Nominal travel 2 [mm]	2.30
Maximum travel 2 [mm]	3.50
Preload 2 [cN]	25.00
Spring force 2 [cN]	70.00

Mechanical specifications

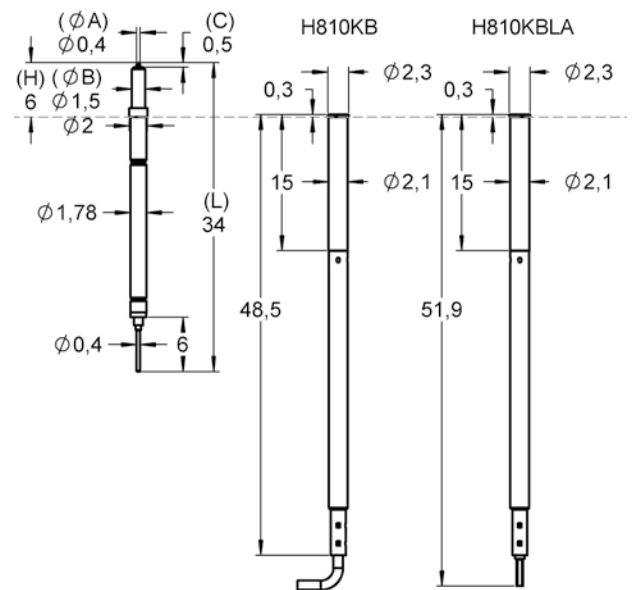
Preload [cN]	40.00
Spring force [cN]	160.00
Nominal travel [mm]	2.80
Maximum travel [mm]	3.50

Dimensions

Total length [mm]	35.80
Projection height [mm]	7.80
Tip style diameter [mm]	2.00
Barrel diameter [mm]	1.78
Collar diameter [mm]	2.00
Inside/outside distance [mm]	-1.80
Tip style diameter 2 [mm]	0.40

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	05
Tip style 2	16
Plunger material	Beryllium copper
Plunger plating	Gold
Barrel material	Bronze
Barrel plating	Silver
Spring material	Spring steel
Spring plating	Silver
Plunger material 2	Steel
Plunger plating 2	Longtime Gold
Spring material 2	Spring steel
Spring plating 2	Silver

Accessories

Tool for receptacle	FEWZ-772E0
Other	1014550-H810KBS1inaktiv, 1010108-H810KBLA, 1008053-H810KB, 1001863-H810AE, 1001862-H810

Tip style 1



Tip style 2

