



High Current Probes

HCF34906B600G1500A

Order code 1090823

General

Design	Coaxial Probe
Family	HCF349
Pitch [mm/mil]	7.60 / 300
Temperature [C°]	-45°C...+200°C

Electrical specifications

Continuous current [A]	100.00
Typical contact resistance [mOhm]	4.00
Continuous current 2 [A]	4.00
Typical contact resistance 2 [mOhm]	60.00

Inner contact specifications

Nominal travel 2 [mm]	4.30
Maximum travel 2 [mm]	6.40
Preload 2 [cN]	60.00
Spring force 2 [cN]	160.00

Mechanical specifications

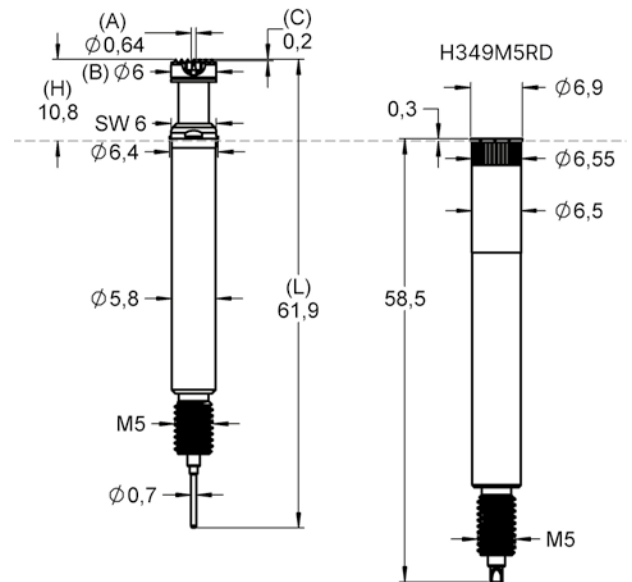
Preload [cN]	500.00
Spring force [cN]	1400.00
Nominal travel [mm]	4.40
Maximum travel [mm]	5.50
Thread	M5
Tool size [mm]	6.0

Dimensions

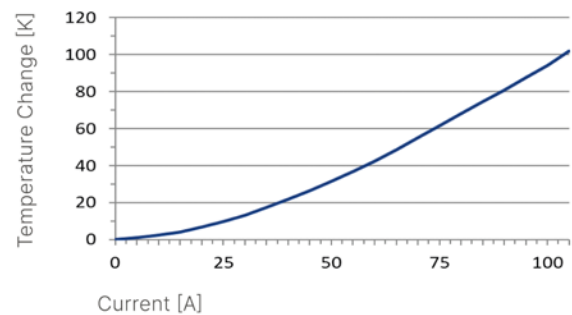
Total length [mm]	61.90
Projection height [mm]	10.50
Tip style diameter [mm]	6.00
Barrel diameter [mm]	5.80
Collar diameter [mm]	6.40
Inside/outside distance [mm]	-0.20
Tip style diameter 2 [mm]	0.64

Family drawing

All measurements are in mm.



Thermal Rise of Contact Probe vs. Current



Materials & surfaces

Tip style	06
Tip style 2	18
Plunger material	Beryllium copper
Plunger plating	Gold
Barrel material	Brass
Barrel plating	Silver
Spring material	High-grade steel
Spring plating	Uncoated
Plunger material 2	Beryllium copper
Plunger plating 2	Gold
Spring material 2	High-grade steel
Spring plating 2	Uncoated

Accessories

Receptacle	H349M5KB
Tool for receptacle	FEWZ-348E0
Tool for probe	1023246-FWZ348, 1031601-FWZ348T
Other	1024195-H349M5KB

Tip style 1



Tip style 2

