



High Current Probes

HCF77517B400G300

Order code 1005051

General

Design	Basic Contact Probe
Family	HCF775
Pitch [mm/mil]	5.00 / 197
Temperature [C°]	-45°C...+200°C

Electrical specifications

Continuous current [A]	50.00
Typical contact resistance [mOhm]	5.00

Mechanical specifications

Preload [cN]	150.00
Spring force [cN]	300.00
Nominal travel [mm]	4.40
Maximum travel [mm]	5.50
Pointing accuracy +/- [mm]	0.10

Dimensions

Total length [mm]	38.50
Projection height [mm]	10.50
Tip style diameter [mm]	4.00
Barrel diameter [mm]	3.50
Collar diameter [mm]	4.00
Press ring diameter [mm]	4.00

Materials & surfaces

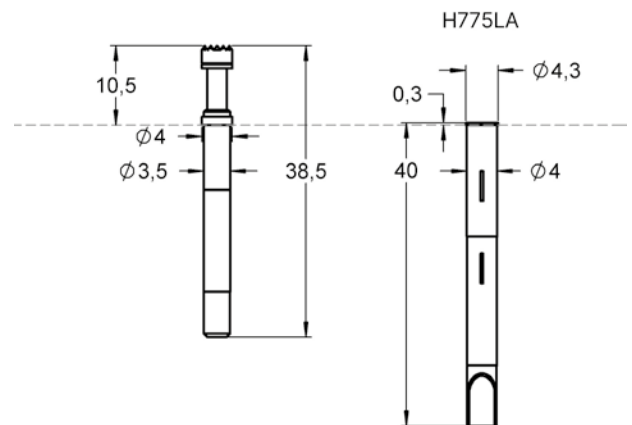
Tip style	17
Plunger material	Beryllium copper
Plunger plating	Gold
Barrel material	Brass
Barrel plating	Gold
Spring material	High-grade steel
Spring plating	Uncoated

Accessories

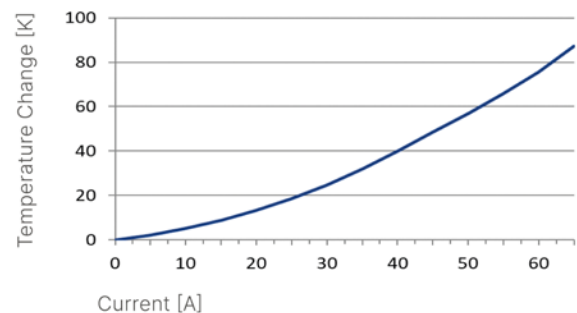
Tool for receptacle	FEWZ-735E0
Other	1005064-H775LA

Family drawing

All measurements are in mm.



Thermal Rise of Contact Probe vs. Current



Tip style 1

