FEINMETALL
Contact Technologies



High Current Probes

HCF77512A400U300

Order code 1016236

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

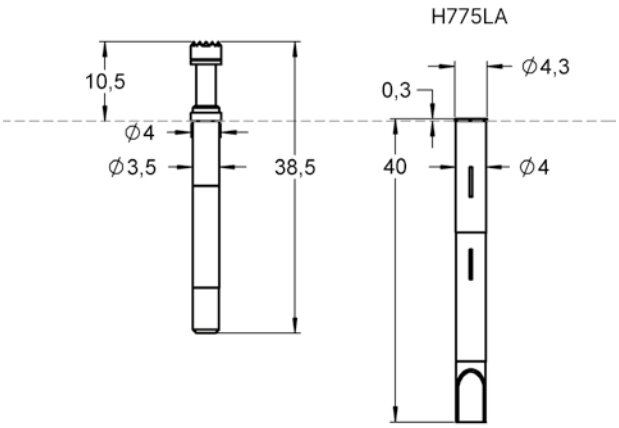
Total length [mm]	38.50
Projection height [mm]	10.50
Tip style diameter [mm]	4.00
Barrel diameter [mm]	3.50
Collar diameter [mm]	4.00
Press ring diameter [mm]	4.00

Materials & surfaces

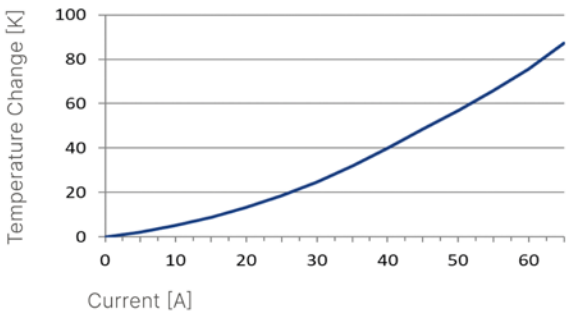
Tip style	12
Tip style material	Silver
Tip style plating	Uncoated
Plunger material	Beryllium copper
Plunger plating	Gold
Barrel material	Brass
Barrel plating	Gold
Spring material	High-grade steel
Spring plating	Uncoated

Family drawing

All measurements are in mm.



Thermal Rise of Contact Probe vs. Current



Accessories

Tool for receptacle	FEWZ-735E0
Other	1005064-H775LA

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Tip style 1



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