



High Current Probes

HCF73512A400U500

Order code 1019042

General

Design	Basic Contact Probe
Family	HCF735
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]	500.00
Nominal travel [mm]	4.40
Maximum travel [mm]	5.50
Pointing accuracy +/- [mm]	0.10
Thread	M3
Tool size [mm]	3.5

Dimensions

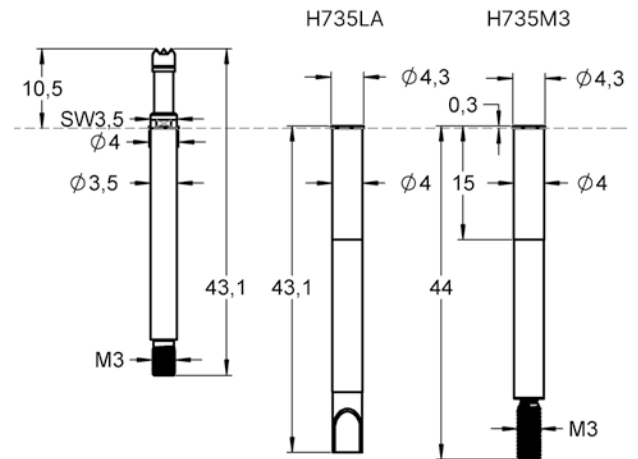
Total length [mm]	43.10
Projection height [mm]	10.50
Tip style diameter [mm]	4.00
Barrel diameter [mm]	3.50
Collar diameter [mm]	4.00
Press ring diameter [mm]	4.00

Materials & surfaces

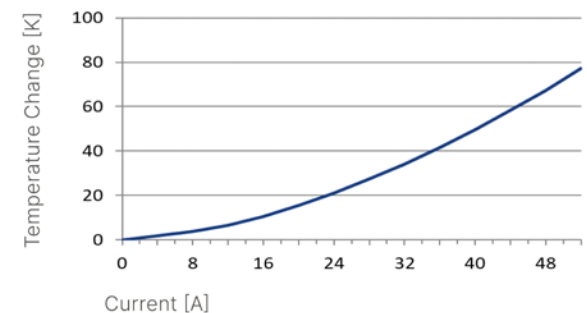
Tip style	12
Tip style material	Silver
Tip style plating	Uncoated
Plunger material	Beryllium copper
Plunger plating	Gold
Barrel material	Brass
Barrel plating	Gold
Spring material	High-grade steel
Spring plating	Uncoated

Family drawing

All measurements are in mm.



Thermal Rise of Contact Probe vs. Current



Accessories

Tool for receptacle	FEWZ-735E0
Tool for probe	1005063-FWZ735, 1009775-FWZ735T
Other	1019242-H735M3, 1005065-H735LA

Tip style 1

