



## High Current Probes

HCF77506B400G500L418

Order code 1035576

## 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]               | 220.00 |
| Spring force [cN]          | 500.00 |
| Nominal travel [mm]        | 7.40   |
| Maximum travel [mm]        | 8.50   |
| Pointing accuracy +/- [mm] | 0.10   |

## Dimensions

|                          |       |
|--------------------------|-------|
| Total length [mm]        | 41.80 |
| Projection height [mm]   | 13.80 |
| Tip style diameter [mm]  | 4.00  |
| Barrel diameter [mm]     | 3.50  |
| Collar diameter [mm]     | 4.00  |
| Press ring diameter [mm] | 4.00  |

## Materials & surfaces

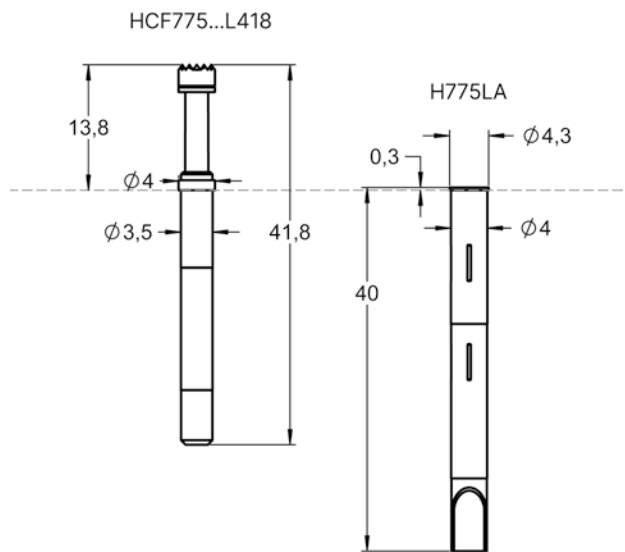
|                  |                  |
|------------------|------------------|
| Tip style        | 06               |
| Plunger material | Beryllium copper |
| Plunger plating  | Gold             |
| Barrel material  | Brass            |
| Barrel plating   | Gold             |
| Spring material  |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

## Accessories

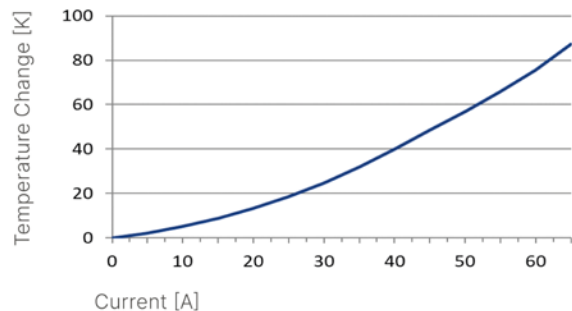
|                     |                |
|---------------------|----------------|
| Tool for receptacle | FEWZ-735E0     |
| Other               | 1005064-H775LA |

## Family drawing

All measurements are in mm.



### Thermal Rise of Contact Probe vs. Current



Tip style 1

