

HIGH CURRENT PROBES

HCF566

35 A | 177 mil | Pluggable



Electrical specifications

| | |
|-------------------------|--------------|
| Temperature [°C] | -45°...+200° |
| Current [A] | 35 |
| R _{TYP} [mOhm] | <15 |

Mechanical specifications

| | |
|------------------------------|-----|
| Preload [cN] | 300 |
| Spring force [cN] at nt ±20% | 500 |
| Nominal travel [mm] | 4.3 |
| Maximum travel [mm] | 6.4 |

Materials and plating

| | | |
|------------|-----------------|-------------|
| Plunger | BeCu | gold plated |
| Barrel | Bronze | gold plated |
| Spring | Stainless steel | unplated |
| Receptacle | Brass | gold plated |

Accessories

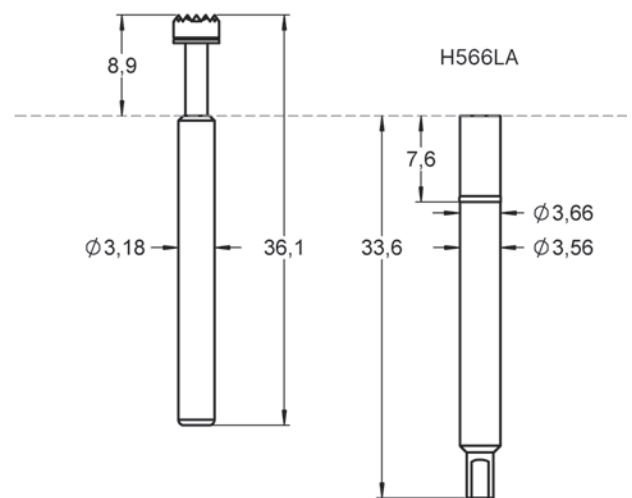
| | | |
|---------|------------|---------------------------|
| 1001827 | H566LA | Receptacle |
| 1003642 | FEWZ-774E0 | Insertion tool receptacle |
| 1003566 | FDWZ-100 | Insertion tool probe |

Drill size recommendation (mm)

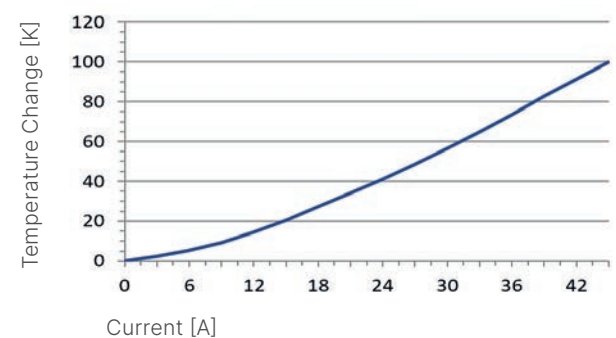
| | | |
|---------|--------|-------------|
| 1001827 | H566LA | 3.30 - 3.35 |
|---------|--------|-------------|

Series drawing

All measurements are in mm.



Thermal Rise of Contact Probe vs. Current



| Order code | Product name | Tip Style | Tip Ø [mm] | Material/Plating | Force [cN] | Thread [M] | Version | FM Choice |
|------------|------------------|-----------|------------|------------------|------------|------------|---------|-----------|
| 1029496 | HCF56606B400G500 | 06 | 4.00 | B / G | 500 | - | - | - |
| 1029497 | HCF56612B400G500 | 12 | 4.00 | B / G | 500 | - | - | - |
| 1029498 | HCF56614B300G500 | 06 | 3.00 | B / G | 500 | - | - | - |
| 1056581 | HCF56618B200G300 | 18 | 2.00 | B / G | 300 | - | - | - |