

For High Current Applications
 HSP54 high current, high temperature probes which will fit standard receptacles 30 amps.
 HSP55 high current, high temperature probes which will fit standard receptacles 40 amps.
 HSP55L is a longer version of HSP55, 10mm full travel

SERIES HSP54

SPECIFICATION

PROBE HSP54

MECHANICAL
 Full travel: 6.35mm
 Recommended working travel: 4.24mm
 Minimum centres: 4.75mm

SPRING FORCE
 Preload: 0.6N
 @ Working travel: 2.8N
 Operating temp. range: -55°C to +150°C

ELECTRICAL
 Max current: 30 amps
 Recommended hole size: 2.7mm

NOTE: Above 105°C non-lubricated recommended

RECEPTACLES

RECEPTACLES

R54-C
 Dimensions: 30.48mm total height, 7.62mm tip height, 02.69mm diameter, 5.3mm tip diameter, 2.34mm base diameter, 02.06mm base diameter.

R54-S
 Dimensions: 30.48mm total height, 02.69mm tip diameter, 2.94mm press ring diameter, 0.6mm tip diameter, 2.34mm base diameter, 2.06mm base diameter.

R54-W
 Dimensions: 40.00mm total height, 0.64mm diameter.

SERIES HSP55

SPECIFICATION

PROBE HSP55

MECHANICAL
 Full travel: 6.35mm
 Recommended working travel: 4.24mm
 Minimum centres: 4.75mm

SPRING FORCE
 Preload: 0.8N 1.0N 1.2N
 @ Working travel: 4.0N 5.0N 6.0N

ORDER PART NO.
 -1 -2

Operating temp. range: -55°C to +150°C

ELECTRICAL
 Max current: 35 amps
 Recommended hole size: 3.6mm

NOTE: Other spring pressures on request

NOTE: Above 105°C non-lubricated recommended

RECEPTACLES

RECEPTACLES

R55-C
 Dimensions: 33.53mm total height, 7.62mm tip height, 03.56mm diameter, 4.57mm tip diameter, 2.36mm base diameter, 02.01mm base diameter.

R55-S
 Dimensions: 33.65mm total height, 3.55mm tip diameter, 03.73mm press ring diameter, 0.6mm tip diameter, 2.36mm base diameter, 2.00mm base diameter.

R55-W
 Dimensions: 44.0mm total height, 0.64mm diameter.

PROBE ORDER CODE
HSP54 - B
 Series Tip Style

Note: BeCu Only

TIP STYLES

HSP54-A **HSP54-B** **HSP54-BR** **HSP54-C** **HSP54-D**

HSP54-D1 **HSP54-E** **HSP54-F** **HSP54-F1** **HSP54-H**

HSP54-P

BeCu

HSP55-A **HSP55-B** **HSP55-B-60** **HSP55-BR/BR2** **HSP55-C**

BeCu

SPECIFICATION

PROBE HSP55L

MECHANICAL
 Full travel: 10.0mm
 Recommended working travel: 4.24mm

SPRING FORCE
 Preload: 0.6N
 @ Working travel: 4.7N

ELECTRICAL
 Max current: 45 amps
 Recommended hole size: 3.6mm

HSP55-F **HSP55L-C**

BeCu

Other Tip Styles on request

Note: For Standard Current Versions of the probes refer to following:
 HSP54 — P54 Page No. 11
 HSP55 — P55 Page No. 11
 HSP55L — P55L Page No. 11