SPECIFICATIONS:

MATERIAL:
- PLUNGER = P1113CA3, P1113CV3 = BRASS
- P1113SS3 = HIGH CARBON STEEL
- BARREL = BRASS
- SPRING = SPRING STEEL

FINISH:
- PLUNGER:
  - P1113CA3, P1113CV3 = 0.25μ MIN GOLD
  - OVER 2.0μ MIN NICKEL
- P1113SS3 = 2.0μ MIN NICKEL OVER
- BARREL = 0.25μ MIN GOLD OVER 0.5μ COPPER
- SPRING = GOLD PLATED

ELECTRICAL:
- CURRENT RATING = 2A MAX
- CONTACT RESISTANCE = 50mΩ MAX

MECHANICAL:
- DURABILITY = 100,000 CYCLES
- FULL TRAVEL = 3.18mm
- SPRING FORCE:
  - FULL TRAVEL = 0.75N ±0.25N (76.5g ±33%)
  - 2.00mm TRAVEL = 0.54N ±0.11N (55g ±20%)

ENVIRONMENTAL:
- TEMPERATURE RANGE = -40°C TO +180°C

NOTES:
1. RECOMMENDED CLEARANCE HOLE SIZE = Ø2.20±0.05mm.
   RECOMMENDED INTERFERENCE HOLE SIZE = Ø2.00mm.
2. SUITABLE FOR A MINIMUM DISTANCE BETWEEN CENTRES OF 3.00mm.
3. THIS PART IS SIMILAR TO P1113XX3 APART FROM POWER RATING THAT WAS 5A MAX AND MATERIAL/FINISH OF SPRING AND PLUNGER VARIANT P1113SS3.

ORDER CODE:

PROBE HEAD VARIANTS

- Ø2.39±0.05
- R3.05
- CONCAVE RADIUS HEAD
  - P1113CA3

- Ø2.34±0.05
- 65°
- CONVEX HEAD
  - P1113SS3

- Ø2.39±0.05
- R3.05
- CONVEX RADIUS HEAD
  - P1113CV3

TITLE:
3.00mm MIN. CENTRE ONE-PIECE SPRING PROBE

TOLERANCES:
- X = ±1mm
- Y = ±0.50mm
- Z = ±0.50mm
- X, Y, Z = ±10μ

ANGLES = ±5° UNLESS STATED
FINISH: SEE ABOVE
S/AREA: mm²
DRAWING NUMBER: P1113XX3