

Customer Information Sheet

DRAWING No.: P1113XX3

SHEET 2 OF 2 IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:

PLUNGER = CA3, CV3 = BRASS
SS3 = HIGH CARBON STEEL

BARREL = BRASS

SPRING = SPRING STEEL

FINISH:

PLUNGER:

CA3, CV3 = 0.25µ MIN GOLD

OVER 2.0µ MIN NICKEL

SS3 = 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

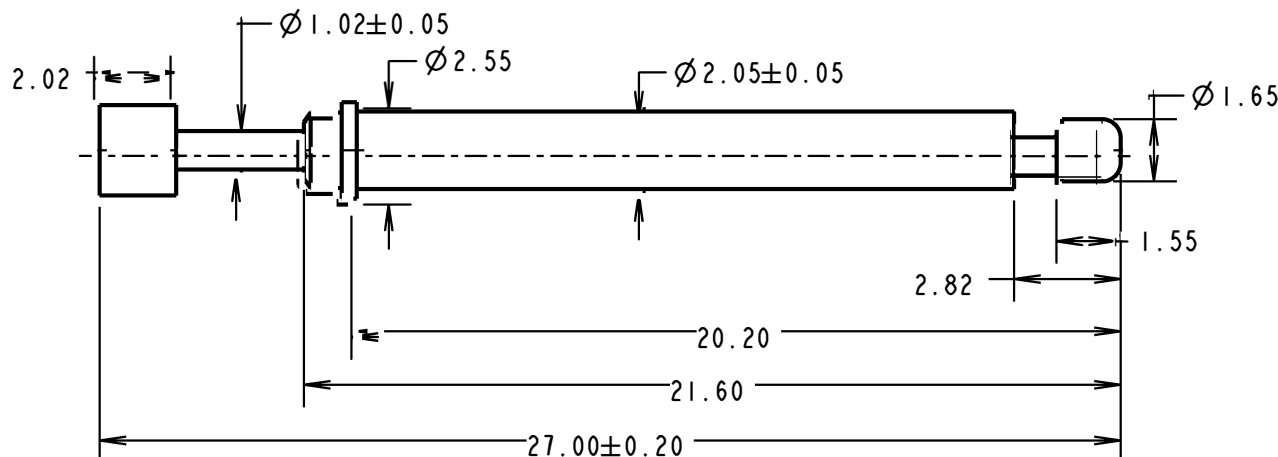
SPRING FORCE:

FULL TRAVEL = 0.75N ± 0.25N (76.5g ± 33%)

2.20mm TRAVEL = 0.54N ± 0.11N (55g ± 20%)

ENVIRONMENTAL:

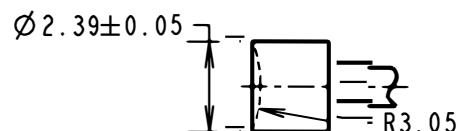
TEMPERATURE RANGE = -40°C TO +180°C



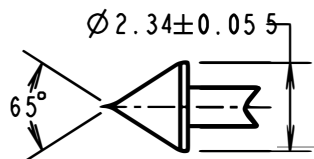
NOTES:

1. RECOMMENDED CLEARANCE HOLE SIZE = $\varnothing 2.20 \pm 0.05$ mm.
RECOMMENDED INTERFERENCE HOLE SIZE = $\varnothing 2.00$ mm.
2. SUITABLE FOR A MINIMUM DISTANCE BETWEEN CENTRES OF 3.00mm.
3. THIS PART IS SIMILAR TO P1113XX2 APART FROM POWER RATING THAT WAS 5A MAX AND MATERIAL/FINISH OF SPRING AND PLUNGER VARIANT.

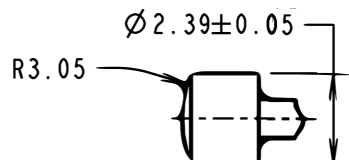
PROBE HEAD VARIANTS



CONCAVE RADIUS HEAD



CONVEX HEAD



CONVEX RADIUS HEAD

SB	6	08.11.17	20842
NAME	ISS.	DATE	C/NOTE
APPROVED:	S. BENNETT		
CHECKED:	M. PLESTED		
DRAWN:	M. G. PLESTED		
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE:

3.00mm MIN. CENTRE
ONE-PIECE SPRING PROBE

DRAWING NUMBER:

CP111

SHT
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