

# Customer Information Sheet

DRAWING No.: P1113XX3

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**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:**

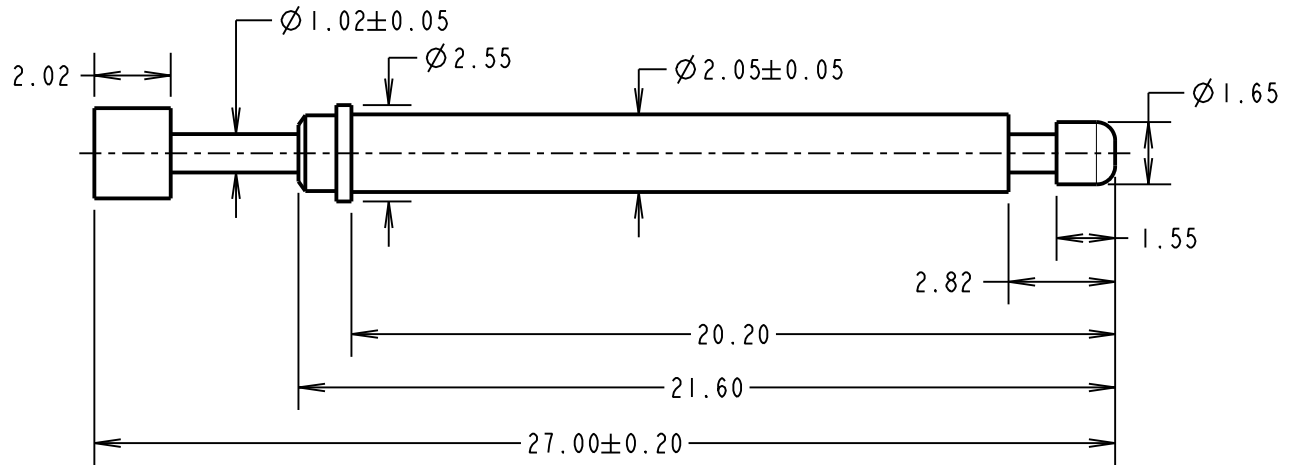
CURRENT RATING = 2A MAX  
 CONTACT RESISTANCE = 50mΩ MAX

**MECHANICAL:**

DURABILITY = 100,000 CYCLES  
 FULL TRAVEL = 3.18mm  
 SPRING FORCE:  
 FULL TRAVEL = 0.75N ±0.25N (76.5g ±33%)  
 2.20mm TRAVEL = 0.54N ±0.11N (55g ±20%)

**ENVIRONMENTAL:**

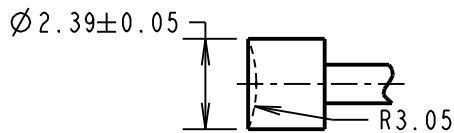
TEMPERATURE RANGE = -40°C TO +180°C



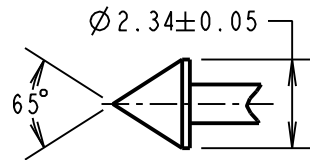
**NOTES:**

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 P1113SS3.

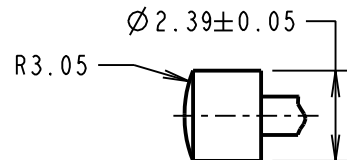
**PROBE HEAD VARIANTS**



CONCAVE RADIUS HEAD  
**P1113CA3**



CONVEX HEAD  
**P1113SS3**



CONVEX RADIUS HEAD  
**P1113CV3**

ORDER CODE:  
**P1113XX3**  
 PROBE HEAD \_\_\_\_\_  
 VARIANT (SEE BELOW)

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**

www.harwin.com  
 technical@harwin.com

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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:**

mm<sup>2</sup>

**TITLE:**

3.00mm MIN. CENTRE  
 ONE-PIECE SPRING PROBE

**DRAWING NUMBER:**

**P1113XX3**

SHT  
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