


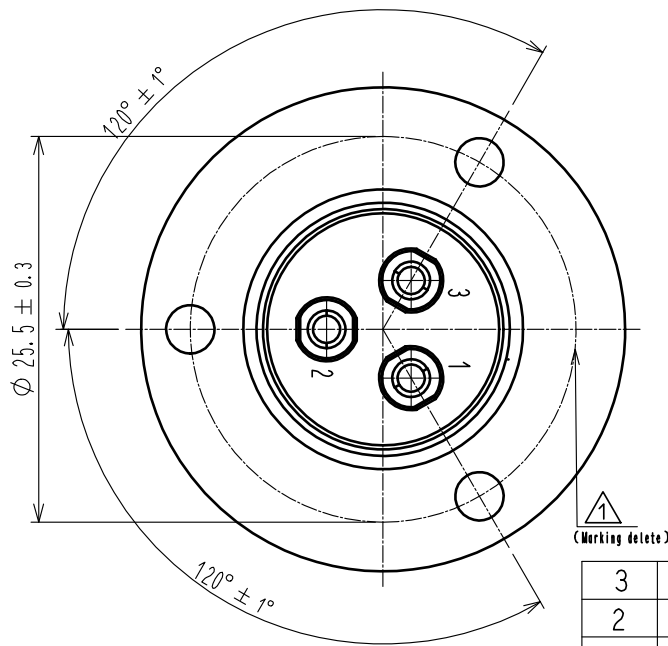
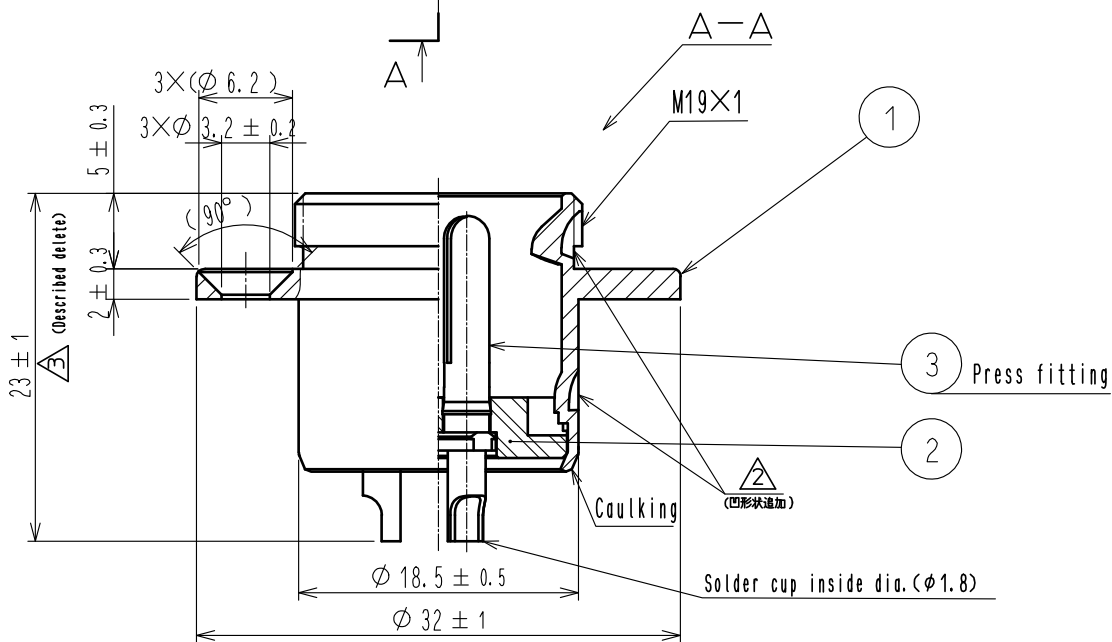


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	AC 350 V , DC 500 V	_____	_____	
	CURRENT	7 A	_____	_____	
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.		X	X	
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A	5 mΩ MAX.	X	X	
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	X	
VOLTAGE PROOF	1000 V AC. FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	
<b>MECHANICAL CHARACTERISTICS</b>					
CONTACT INSERTION AND WITHDRAWAL FORCES	— BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : —	—	—	
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 40 N MAX.	X	—	
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 5 mΩ MAX.	X	—	
VIBRATION	FREQUENCY : 10 → 55 → 10(Hz) , SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—	
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s <sup>2</sup> DURATIONS OF PULSE 11 ms.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.	① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 100 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ R/T <sup>(1)</sup> → +85 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 1000 MΩ MIN.  ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION RUIN THE FUNCTION.	X	—	
DRY HEAT	EXPOSED AT + 85 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
COLD	EXPOSED AT - 55 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
RESISTANCE TO SOLDERING HEAT	SOLDERED AT SOLDERING IRON BIT TEMPERATURE +380±10°C FOR 3 <sup>+1</sup> <sub>0</sub> s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—	
SOLDERABILITY	SOLDERED AT SOLDERING IRON BIT TEMPERATURE +350±10°C FOR 2 TO 3 s.	WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.	X	—	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	1	DIS-C-00000966	HY. KISHI	HY. KOBAYASHI	16.05.14
REMARK NOTE (1) R/T : ROOM TEMPERATURE.  Unless otherwise specified, refer to JIS C 5402. (IEC60512)			APPROVED	HY. KOBAYASHI	15.10.28
			CHECKED	HY. KOBAYASHI	15.10.28
			DESIGNED	HY. KISHI	15.10.28
			DRAWN	HY. KISHI	15.10.28
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-119231-00-00
	SPECIFICATION SHEET		PART NO.	HS16RA-3	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL101-0605-0-00	 1/1



3	Brass	Nickel plating 0.8μm min.
2	PPS	Black (UL94V-0)
1	Brass	Nickel plating

NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE 2 : 1	COUNT 3	1	DIS-C-00000645
APPROVED : HY. KOBAYASHI 15.10.28			DRAWING NO. EDC-119231-00-00		
CHECKED : HY. KOBAYASHI 15.10.28			PART NO. HS16RA-3		
DESIGNED : HY. KISHI 15.10.28			CODE NO. CL101-0605-0-00		
DRAWN : HY. KISHI 15.10.28			1/1		

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Hirose Electric:](#)

[HS16RA-3](#)