

APPLICABLE STANDARD		SPECIFICATIONS				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	OPERATING HUMIDITY RANGE	40 TO 80 % MAX <sup>(3)</sup>		
	VOLTAGE	100 V AC	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>		
	CURRENT	0.4 A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>		
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.			X	X	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	100 mA(DC OR 1000 Hz)		45 mΩ MAX .	X	—	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA (DC or 1000Hz)		55 mΩ MAX.	X	—	
INSULATION RESISTANCE	250 V DC.		100 MΩ MIN.	X	—	
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	X	
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz, SINGLE AMPLITUDE: 0.75 mm, AT 2 h FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) CONTACT RESISTANCE: 55 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 BOTH AXIAL DIRECTIONS.			X	—	
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		1) CONTACT RESISTANCE : 55 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 → +85 °C TIME : 30 → 30 min. UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER:WITHIN 2 TO 3 min)			X	—	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		1) CONTACT RESISTANCE : 55 mΩ MAX. 2) NO HEAVY CORROSION.	X	—	
HYDROGEN SULPHIDE	EXPOSED 3 ppm FOR 96 h. (TEST STANDARD:JEIDA-38)			X	—	
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING: PEAK TMP : 250 °C MAX REFLOW TMP: 220 °C MIN FOR 60sec 2) SOLDERING IRONS: 360 °C MAX FOR 5 sec.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	X	—	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE 240 ± 3 °C FOR IMMERSION DURATION, 3 sec.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	—	
COUNT		DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
0						
REMARKS	(1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED. (2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. (3) NON-CONDENSING. Unless otherwise specified, refer to IEC-60512.			APPROVED	NH. NAKATA	
				CHECKED	HT. YAMAGUCHI	
				DESIGNED	MT. ITANO	
				DRAWN	MT. ITANO	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-150569-91-00	
<b>HS</b>	SPECIFICATION SHEET		PART NO.	FX8-60P-SV1 (91)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL578-0041-0-91	1/1	