

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾		
	VOLTAGE	100 V AC		OPERATING HUMIDITY RANGE	40 % TO 80 %		
	CURRENT	0.5 A		STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾		
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		×	×
MARKING		CONFIRMED VISUALLY.				×	×
ELECTRICAL CHARACTERISTICS							
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		50 mΩ MAX .		×	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)		60 mΩ MAX .		×	—
INSULATION RESISTANCE		250 V DC.		100 MΩ MIN.		×	—
VOLTAGE PROOF		300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		×	—
MECHANICAL CHARACTERISTICS							
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR		INSERTION FORCE : 54.4 N MAX WITHDRAWAL FORCE : 6.8 N MIN		×	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 0.75 mm, AT 10 CYCLES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				×	—
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.		×	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
DRY HEAT		EXPOSED AT 85 °C, 96 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PART		×	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.		×	—
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)				×	—
RESISTANCE TO SOLDERING HEAT		1) SOLDER BATH:SOLDER TEMPERATURE, 260±5°C FOR IMMERSION,DURATION,10±1s. 2) SOLDERING IRONS : 360°C FOR 5 s MAX.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.		×	—
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE 240±5°C FOR IMMERSION DURATION, 3 s.		A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		×	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
△							
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. Unless otherwise specified, refer to JIS C 5402				APPROVED	HS.OKAWA	06.10.17	
				CHECKED	HS.OZAWA	06.10.17	
				DESIGNED	KY.NAKAMURA	06.10.17	
				DRAWN	AK.SUZUKAWA	06.10.17	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-151417-21	
		SPECIFICATION SHEET		PART NO.		FX5-68S2A-DSA (71)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL575-0108-0-71 △ 1/1	