

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>
	VOLTAGE	100 V AC		OPERATING HUMIDITY RANGE	40 % TO 80 %
	CURRENT	0.4 A		STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	× ×
MARKING		CONFIRMED VISUALLY.			× ×
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		45 mΩ MAX.	× -
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)		55 mΩ MAX.	× -
INSULATION RESISTANCE		250 V DC		100 MΩ MIN.	× -
VOLTAGE PROOF		300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	× -
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 55 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× -
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, 2 hrs IN 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 55 mΩ MAX.	× -
SHOCK		490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 hrs.		① CONTACT RESISTANCE: 55 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 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× -
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.		① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.	× -
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 hrs. (TEST STANDARD: JEIDA 38)			× -
RESISTANCE TO SOLDERING HEAT		1)AUTOMATIC SOLDERING (REFLOW) SOLDER TEMPERATURE, 250 °C MAX 220 °C MIN. FOR 60 sec.  2)MANUAL SOLDERING SOLDERING IRON TEMPRATURE: 360 °C SOLDERING TIME : 5 sec MAX		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	× -
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 240 °C, FOR IMMERSION DURATION, 3 sec.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	× -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.			APPROVED	HS.OKAWA	05.10.06
			CHECKED	HS.QZAWA	05.10.06
			DESIGNED	TK.YANAGISAWA	05.10.01
Unless otherwise specified, refer to JIS C 5402.			DRAWN	TK.YANAGISAWA	05.10.01
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-150572-25
HRS	SPECIFICATION SHEET		PART NO.	FX8-120P-SV1 (71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL578-0046-4-71	△ 1/1