

In case of consideration for using Autom otive equipm ent/device which dem and high reliability, kindly contactour sales w indow correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
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	0.4 A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾			
SPECIFICATIONS							
ITEM	TEST METHOD		REQUIREMENTS		QT	AT	
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	20 mV MAX, 1 mA(DC OR 1000Hz)		55 mΩ MAX.		x		
MILLIVOLT LEVEL METHOD							
INSULATION RESISTANCE	250 V DC		100 MΩ MIN.		x		
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		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 Hz, AMPLITUDE : 1.5 mm, 2 hrs IN 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 ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.				x		
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. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE:55→+15~+35→ +85→+15~+35°C TIME 30 → 2~3 → 30 → 2~3 min 5 CYCLES.				x		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.		① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.		x		
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 hrs. (TEST STANDARD: JEIDA 38)				x		
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		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 IMMERSSED.		x		
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
③ 1	DIS-F-005251	AH. EDASHIGE	HT. YAMAAGUCHI	11. 01. 17			
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.				APPROVED	KJ. KATAYOSE	05. 01. 05	
Unless otherwise specified, refer to JIS C 5402.				CHECKED	HS. OKAWA	05. 01. 05	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DESIGNED	KT. D01	05. 01. 05	
				DRAWN	KT. D01	05. 01. 05	
DRAWING NO.		ELC4-150727-22					
HRS		SPECIFICATION SHEET		PART NO.		FX8-*P-SV1 (92)	
HIROSE ELECTRIC CO., LTD.		CODE NO.		CL578		1/1	