



In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD				STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C ^②	
RATING				OPERATING HUMIDITY RANGE		40 % TO 80 %	
CURRENT		0.4 A		STORAGE HUMIDITY RANGE		40 % TO 70 % ^②	
SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	Q	T	A		
CONSTRUCTION		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, 2h 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 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 h		① CONTACT RESISTANCE: 55 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.		X	-
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.		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 IN 3 PPM FOR 96 h. (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 °C, FOR IMMERSION DURATION, 3 s.		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			
△							
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.							
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.		ELC4-150570-25			
 SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.		PART NO.		FX8-90P-SV1 (71)			
		CODE NO.		CL578-0044-9-71			
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