

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 m Ω MAX.	X			-	
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)	55 m Ω MAX.	X			-	
MILLIVOLT LEVEL METHOD							
INSULATION RESISTANCE	250 V DC	100 M Ω 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 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X			-	
VIBRATION	FREQUENCY 10 TO 55 Hz. AMPLITUDE : 1.5 mm, AT 2h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μ s. ② CONTACT RESISTANCE: 55 m Ω MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X			-	
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X			-	
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 \pm 2 °C, 90 ~ 95 %, 96 h	① CONTACT RESISTANCE: 55 m Ω MAX. ② INSULATION RESISTANCE: 100 M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X			-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: 55 \rightarrow +15 \sim +35 \rightarrow +85 \rightarrow +15 \sim +35 \rightarrow °C TIME 30 \rightarrow 2 \sim 3 \rightarrow 30 \rightarrow 2 \sim 3 min UNDER 5 CYCLES.					X	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 55 m Ω 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 \pm 3 °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.		APPROVED	HS. OKAWA	06.04.04			
		CHECKED	HS. OZAWA	06.04.04			
		DESIGNED	TK. YANAGISAWA	06.04.03			
		DRAWN	TK. YANAGISAWA	06.04.03			
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-150989-22				
SPECIFICATION SHEET		PART NO.	FX8-40P-SV (92)				
		CODE NO.	CL578-0009-8-92				
HIROSE ELECTRIC CO., LTD.						1/1	