

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window 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	0.5 A	STORAGE HUMIDITY RANGE	40 % TO 70 % (2)				
SPECIFICATIONS								
ITEM	TEST METHOD		REQUIREMENTS		QT	AT		
CONSTRUCTION		TEST METHOD		REQUIREMENTS		QT	AT	
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X	X	
MARKING	CONFIRMED VISUALLY.				X	X	X	
ELECTRIC CHARACTERISTICS								
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		40 mΩ MAX.		X	-		
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)		50 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		100 TIMES INSERTIONS AND EXTRactions.		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-	
VIBRATION	FREQUENCY 10 TO 55 HZ, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-		
SHOCK	490 ms ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				X	-		
ENVIRONMENTAL CHARACTERISTICS								
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.		X	-		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: 55 → +15 ~ +35 → +85 → +15 ~ +35 °C TIME 30 → MAX 5 → 30 → MAX 5 min UNDER 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: 50 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±3 °C, FOR IMMERSION DURATION, 3 s.		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				
△								
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 MIL-STD-1344.								
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.		ELC4-071637-23				
HRS SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.		PART NO.		FX6-50P-0.8SV (93)				
		CODE NO.		CL576-0004-1-93				
		APPROVED		HS. OKAWA		08.04.15		
		CHECKED		HS. OZAWA		08.04.15		
		DESIGNED		KY. MAKAMURA		08.04.15		
		DRAWN		TP. MATSUMOTO		08.04.14		