

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 ①
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ①		OPERATING HUMIDITY RANGE	40 % TO 80 %
	VOLTAGE	100 V AC		STORAGE HUMIDITY RANGE	40 % TO 70 % ②
	CURRENT	0.5 A			
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	Q/T	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).	40 mΩ MAX.	X		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000Hz)	50 mΩ MAX.	X		
INSULATION RESISTANCE	250 V DC	100 MΩ MIN.	X		
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X		
MECHANICAL CHARACTERISTICS					
MATING AND UNMATING FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE : (0.88 × **) N MAX. EXTRACTION FORCE : (0.1 × **) N MIN.	
MECHANICAL OPERATION		100 TIMES INSERTIONS AND EXTRACTATIONS.		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2h FOR 3 DIRECTION.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
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±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.	
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.	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.	
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.	
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 IMMERSERD.	
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.		ELG4-071178-25	
HRS		SPECIFICATION SHEET		PART NO.	
		HIROSE ELECTRIC CO., LTD.		CODE NO.	
				FX6-*S-0.8SV2 (71)	
				△ 1/1	
		APPROVED		HS. OKAWA	
		CHECKED		HS. OZAWA	
		DESIGNED		TH. NODA	
		DRAWN		AK. SUZUKAWA	
				05.07.23	
				05.07.23	
				05.07.23	