

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 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	A/T
CONSTRUCTION					
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).	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					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE : 52.8 N MAX. WITHDRAWAL FORCE : 6.0 N MIN.		X	-
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 2h 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 IMMERSED.		X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△			APPROVED	06.04.21	
			CHECKED	06.04.21	
			DESIGNED	06.04.20	
			DRAWN	06.04.20	
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 Q/T: Qualification Test A/T: Assurance Test X: Applicable Test		DRAWING NO.		ELC4-084982-23	
HRS		SPECIFICATION SHEET		PART NO.	
		HIROSE ELECTRIC CO., LTD.		CODE NO.	
		FX6-60S-0.8SV2 (93)		GL576-0125-6-93	
				△	
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