

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	QT	AT	
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 : 88.0 N MAX. WITHDRAWAL FORCE : 10.0 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 IMMERSUED.	X	-	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△			APPROVED	06.10.10	
			CHECKED	06.10.10	
			DESIGNED	06.10.05	
			DRAWN	06.10.05	
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.	ELC4-084985-21		
HRS		SPECIFICATION SHEET		PART NO.	FX6-100S-0.8SV (91)
		HIROSE ELECTRIC CO., LTD.		CODE NO.	GL576-0108-7-91
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