

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 <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>					
	VOLTAGE	100 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %					
	CURRENT	0.5 A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>					
<b>SPECIFICATIONS</b>									
ITEM	TEST METHOD			REQUIREMENTS			QT	AT	
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			X	X
GENERAL EXAMINATION		CONFIRMED VISUALLY.						X	X
MARKING								X	X
<b>ELECTRIC CHARACTERISTICS</b>									
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			
<b>MECHANICAL CHARACTERISTICS</b>									
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 DIRECTION.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X			
SHOCK	490 ms <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					X			
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
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°C, FOR IMMERSION DURATION, 3 sec..		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 MIL-STD-1344.		DRAWING NO.		ELC4-152945-25					
Note QT: Qualification Test AT: Assurance Test X: Applicable Test									
<b>HRS</b>		SPECIFICATION SHEET		PART NO.		FX6-*P-0.8SV2 (71)			
		HIROSE ELECTRIC CO., LTD.		CODE NO.					
		APPROVED		HS. OKAWA		06.07.15			
		CHECKED		HS. OZAWA		06.07.14			
		DESIGNED		KT. DOI		06.07.14			
		DRAWN		AK. SUZUKAWA		06.07.14			