

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		Q	T	A
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		Q	T	A
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 m Ω MAX.				X	-
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)		50 m Ω MAX.				X	-
MILLIVOLT LEVEL METHOD								
INSULATION RESISTANCE	250 V DC		100 M Ω 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 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, 2 hrs IN 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μ s. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	-
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.						X	-
ENVIRONMENTAL CHARACTERISTICS								
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 \pm 2 °C, 90 ~ 95 %, 96 hrs.			① CONTACT RESISTANCE: 50 m Ω MAX. ② INSULATION RESISTANCE: 100 M Ω MIN.			X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 \rightarrow +15 \sim +35 \rightarrow +85 \rightarrow +15 \sim +35 °C TIME 30 \rightarrow MAX 5 \rightarrow 30 \rightarrow MAX 5 min 5 CYCLES.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.			① CONTACT RESISTANCE: 50 m Ω MAX. ② NO HEAVY CORROSION.			X	-
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 hrs. (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.					APPROVED	HS. OKAWA	06.11.01	
Note QT: Qualification Test AT: Assurance Test X: Applicable Test					CHECKED	HS. OZAWA	06.11.01	
					DESIGNED	TK. YANAGISAWA	06.09.09	
					DRAWN	TK. YANAGISAWA	06.09.09	
DRAWING NO.		ELG4-071315-23						
HRS		PART NO.	FX6A-20P-0.8SV1 (93)					
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL576-0221-0-93					
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