


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 (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)			
<b>SPECIFICATIONS</b>							
ITEM	TEST METHOD		REQUIREMENTS		QT	AT	
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
MARKING		CONFIRMED VISUALLY.				X	X
<b>ELECTRIC CHARACTERISTICS</b>							
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		40 mΩ MAX.		X	-	
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	-	
<b>MECHANICAL CHARACTERISTICS</b>							
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE : 52.8 N MAX.		X	-	
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTATIONS.		WITHDRAWAL FORCE : 6.0 N MIN.				
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTIONS.		① CONTACT RESISTANCE: 50 mΩ MAX.		X	-	
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-	
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 50 mΩ MAX.		X	-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15~+35→ +85→+15~+35°C TIME 30 → MAX 5 → 30 → MAX 5 min UNDER 5 CYCLES.		② INSULATION RESISTANCE:100 MΩ MIN.		X	-	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA 38)		① CONTACT RESISTANCE: 50 mΩ MAX.		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			
<b>REMARK</b> (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.	ELC4-071327-25				
 <b>SPECIFICATION SHEET</b> HIROSE ELECTRIC CO., LTD.		PART NO.	FX6A-60S-0. 8SV (71)				
		CODE NO.	QL576-0305-8-71				
		APPROVED	HS. OKAMA	08.06.30			
		CHECKED	HT. YAMAGUCHI	08.06.28			
		DESIGNED	TS. MIYAKI	08.06.27			
		DRAWN	TS. MIYAKI	08.06.27			