

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 <sup>②</sup>
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>①</sup>		OPERATING HUMIDITY RANGE	40 % TO 80 %
	VOLTAGE	100 V AC		STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>②</sup>
	CURRENT	0.5 A			
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS	Q/T	AT	
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×	
MARKING	CONFIRMED VISUALLY.		×	×	
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	40 mΩ MAX.	×		
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)	50 mΩ MAX.	×		
MILLIVOLT LEVEL METHOD					
INSULATION RESISTANCE	250 V DC.	100 MΩ MIN.			
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×		
<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.	×	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE :0.76 mm, AT 2 h FOR 3 DIRECTION.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×		
SHOCK	490 ms <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×		
<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.	×		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE:55→+15~+35→+85→+15~+35°C TIME 30 → 5 MAX → 30 → 5 MAX UNDER 5 CYCLES.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.	×		
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)		×		
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING:250 °C MAX, 220 °C MIN, FOR 60 s 2) SOLDERING IRON 360 °C, FOR 5 s	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	×		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE 240±3°C FOR IMMERSION DURATION: 3s.	A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.	×		
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.					
Note Q1:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-084963-22		
<b>HRS</b>		SPECIFICATION SHEET		PART NO.	FX6-20P-0.8SV1 (92)
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL576-0021-0-92
		APPROVED	HS. OKAWA	05.08.03	
		CHECKED	HS. OZAWA	05.08.02	
	DESIGNED	TK. YANAGISAWA	05.07.25		
	DRAWN	TK. YANAGISAWA	05.07.25		