

In case of consideration for using Autom otive equipm ent/device which dem and high re liability, kindly contactour sales w indow correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		Q/T	AT
OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>				
VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %				
CURRENT	0.5 A	STRA GE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>				
<b>SPECIFICATIONS</b>							
ITEM		TEST METHOD		REQUIREMENTS		Q/T	AT
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
GENERAL EXAMINATION		CONFIRMED VISUALLY.				X	X
<b>ELECTRIC CHARACTERISTICS</b>							
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		45 m $\Omega$ MAX.			X	-
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000Hz)		55 m $\Omega$ MAX.			X	-
INSULATION RESISTANCE	250 V DC		100 M $\Omega$ MIN.			X	-
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.			X	-
<b>MECHANICAL CHARACTERISTICS</b>							
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 55 m $\Omega$ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.52 mm, AT 2h FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 $\mu$ s. 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 $\pm$ 2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 55 m $\Omega$ MAX. ② INSULATION RESISTANCE: 100 M $\Omega$ MIN.			X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 $\rightarrow$ +15 $\sim$ +35 $\rightarrow$ +85 $\rightarrow$ +15 $\sim$ +35 $\rightarrow$ C TIME 30 $\rightarrow$ 10 $\sim$ 15 $\rightarrow$ 30 $\rightarrow$ 10 $\sim$ 15 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: 55 m $\Omega$ MAX. ② NO HEAVY CORROSION.			X	-
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96h. (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: $\pm$ 3°C, FOR IMMERSION DURATION, 2 s.	240	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERS ED.			X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
<p><b>REMARK</b> <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED.  <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.</p> <p>Unless otherwise specified, refer to MIL-STD-1344.</p> <p>Note QT:Qualification Test AT:Assurance Test X:Applicable Test</p>							
<b>HRS</b>		SPECIFICATION SHEET		PART NO.		FX2-68P-1.27SVL (71)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL572-2056-0-71	
		DRAWING NO.		ELC4-082407-21			
		APPROVED		HS. OKAWA		06.03.07	
CHECKED		HS. OZAWA		06.03.07			
DESIGNED		KY. NAKAMURA		06.03.07			
DRAWN		AK. SUZUKAWA		06.03.07			