

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	60 % RH MAX <sup>(2)</sup>			
<b>SPECIFICATIONS</b>							
ITEM	TEST METHOD		REQUIREMENTS		QT	AT	
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT. CONFIRMED VISUALLY.		ACCORDING TO DRAWING.		x	x
MARKING						x	x
<b>ELECTRIC CHARACTERISTICS</b>							
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		50 mΩ MAX.			x	
MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000Hz)		60 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>							
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRactions.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE : 0.75mm, AT 10 CYCLES FOR 3 DIRECTIONS.		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: 60 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN.			x	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE:-55→+15~+35→ +85→+15~+35°C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	
DRY HEAT	EXPOSED AT 85 °C, 96 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PART			x	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.			x	
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA 39)					x	
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING : 240 °C MAX, : 200 °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 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			
△							
REMARK <sup>(1)</sup> 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 JIS C 5402							
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-151516-21				
<b>HRS</b>		SPECIFICATION SHEET		FX5-80P-SH3 (71)			
		HIROSE ELECTRIC CO., LTD.		PART NO.		CODE NO.	
				CL575-0049-3-71		△ 1/1	
		APPROVED	HS. OKAWA	11.03.07			
		CHECKED	HT. YAMAGUCHI	11.03.07			
		DESIGNED	SY. KAMIGA	11.03.07			
		DRAWN	HK. SUNADORI	11.03.07			