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

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>		
	VOLTAGE	50 V AC		OPERATING HUMIDITY RANGE	95 % RH MAX.		
	CURRENT	0.3 A			(NO DEW CONDENSATION IS PERMITTED)		
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS		QT	AT
<b>CONSTRUCTION</b>							
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).			60 mΩ MAX.		x	—
INSULATION RESISTANCES	100 V DC			100 MΩ MIN.		x	—
VOLTAGE PROOF	150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.		x	x
<b>MECHANICAL CHARACTERISTICS</b>							
INSERTION AND WITHDRAWAL FORCE	MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 72 N MAX. WITHDRAWAL FORCE: 4.8 N MIN.		x	—
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE : 0.75 mm, AT 10 CYCLES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
SHOCK	490 m/s <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: 70 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: 70 mΩ MAX.		x	—
COLD	EXPOSED AT -55 °C, 96 h.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.		x	—
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)			① CONTACT RESISTANCE: 70 mΩ MAX. ② NO HEAVY CORROSION.		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 MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.		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	
△							
REMARK <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.				APPROVED	HS. OKAWA	07.07.17	
				CHECKED	HS. OZAWA	07.07.17	
				DESIGNED	SY. KAMIGA	07.07.17	
Unless otherwise specified, refer to JIS C 5402.				DRAWN	HK. SUNADORI	07.07.12	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-152097-25	
<b>HRS</b>	SPECIFICATION SHEET			PART NO.	FX11LB-80P/8-SV (71)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL573-0013-3-71	△	1/1