

APPLICABLE STANDARD								
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾			
	VOLTAGE	50 V AC		OPERATING HUMIDITY RANGE	95 % RH MAX. (NO DEW CONDENSATION IS PERMITTED)			
	CURRENT	0.3 A						
SPECIFICATIONS								
ITEM		TEST METHOD		REQUIREMENTS		QT	AT	
CONSTRUCTION								
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		×	×	
MARKING		CONFIRMED VISUALLY.				×	×	
ELECTRIC CHARACTERISTICS								
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		70 mΩ MAX.		×	—	
INSULATION RESISTANCES		100 V DC		100 MΩ MIN.		×	—	
VOLTAGE PROOF		150 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		×	×	
MECHANICAL CHARACTERISTICS								
INSERTION AND WITHDRAWAL FORCE		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 90 N MAX. WITHDRAWAL FORCE: 6 N MIN.		×	—	
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 80 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—	
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.		×	—	
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				×	—	
ENVIRONMENTAL CHARACTERISTICS								
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 80 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.		×	—	
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.		×	—	
DRY HEAT		EXPOSED AT 85 °C, 96 h.		① CONTACT RESISTANCE: 80 mΩ MAX.		×	—	
COLD		EXPOSED AT - 55 °C, 96 h.		② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.		×	—	
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)		① CONTACT RESISTANCE: 80 mΩ MAX. ② NO HEAVY CORROSION.		×	—	
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s		NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.		×	—	
		2) SOLDERING IRONS : 360 °C, FOR 5 s				×	—	
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 240 ± 3 °C, FOR IMMERSION DURATION, 3 s.		A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		×	—	
	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.				APPROVED	HS.OKAWA	06.05.13		
				CHECKED	HS.OZAWA	06.05.13		
				DESIGNED	KY.NAKAMURA	06.05.13		
				DRAWN	SY.KAMIGA	06.05.12		
Unless otherwise specified, refer to JIS C 5402.								
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-152603-25		
	SPECIFICATION SHEET			PART NO.		FX11B-100P/10-SV (71)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL573-0514-9-71 △ 1/1		