

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE		-25°C TO +85°C	STORAGE TEMPERATURE RANGE	-25°C TO +60°C	
	VOLTAGE		AC 250V	CURRENT	0.5 A	
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.			X	X
ELECTRICAL CHARACTERISTICS						
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		125mΩ MAX.	X	—
INSULATION RESISTANCE		100 V DC.		250 MΩ MIN.	X	—
VOLTAGE PROOF		400 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS						
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE 40N MAX. WITHDRAWAL FORCE 40 N MAX.	X	—
MECHANICAL OPERATION		10000 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE : 150mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz ALL AMPLITUDE 1.5 mm, 5 min/CYCLE, TOTAL 10 CYCLES.		1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			X	—
ENVIRONMENTAL CHARACTERISTICS						
THERMAL SHOCK		TEMP -55 →+5 TO +35 →+85 →+5 TO +35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.		1) CONTACT RESISTANCE : 150mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
HUMIDITY LIFE		TEMPERATURE 40 °C, HUMIDITY 90 TO 95 %, FOR 96 h		1) INSULATION RESISTANCE: 100 MΩ MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST		EXPOSED AT 5 % SALT WATER, FOR 48 h.		NO HEAVY CORROSION THAT LOSE FUNCTION.	X	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
REMARK				APPROVED	A0. SUZUKI	11.05.19
				CHECKED	KN. ICHIKAWA	11.05.19
				DESIGNED	MO. SHIMOYAMA	11.05.19
				DRAWN	MO. SHIMOYAMA	11.05.19
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-127114-00
		SPECIFICATION SHEET		PART NO.		EX20F-280S
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL232-0626-2-00
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