

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +85°C	STORAGE TEMPERATURE RANGE	-55°C TO +85°C	
	VOLTAGE	250VAC	OPERATING HUMIDITY RANGE	— % TO — %	
	CURRENT	1A	APPLICABLE CABLE	—	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="radio"/>	<input type="radio"/>
MARKING		CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		10 mA (DC OR 1000 Hz).	70 mΩ MAX.	<input type="radio"/>	<input type="radio"/>
INSULATION RESISTANCE		250 V DC.	1000 MΩ MIN.	<input type="radio"/>	<input type="radio"/>
VOLTAGE PROOF		500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 78.4 N MAX. EXTRACTION FORCE 19.6 N MIN.	<input type="radio"/>	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 70 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="radio"/>	—
VIBRATION		FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, AT 3h FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) CONTACT RESISTANCE: 70 mΩMAX. 3)NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="radio"/>	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		<input type="radio"/>	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → 5~35 → +105 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min. UNDER 10 CYCLES.	1) CONTACT RESISTANCE: 70 mΩMAX. 2)NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="radio"/>	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 70 mΩMAX. 2)NO HEAVY CORROSION.	<input type="radio"/>	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
REMARK			APPROVED	HO. MIWA	05. 11. 28
			CHECKED	YH. ENAMI	05. 11. 28
			DESIGNED	TU. TANIGUCHI	05. 11. 28
			DRAWN	MT. ITANO	05. 11. 28
Unless otherwise specified, refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-045981-01
	SPECIFICATION SHEET		PART NO.	FI30-20S-CV2 (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL230-0509-6-50	1/1