

APPLICABLE STANDARD																	
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	- °C TO - °C													
	VOLTAGE	250 V AC	OPERATING HUMIDITY RANGE	- % TO - %													
	CURRENT	1 A	APPLICABLE CABLE	-													
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		10 mA (DC OR 1000 Hz).	70 mΩ MAX.	○	○												
INSULATION RESISTANCE		250 V DC.	1000 MΩ MIN.	○	○												
VOLTAGE PROOF		500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○												
MECHANICAL CHARACTERISTICS																	
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 78.4 N MAX. EXTRACTION FORCE 19.6 N MIN.	○	-												
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	-												
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 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	-												
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		○	-												
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 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	-												
CORROSION SALT MIST		EXPPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION.	○	-												
<table border="1"><tr><td></td><td>COUNT</td><td>DESCRIPTION OF REVISIONS</td><td>DESIGNED</td><td>CHECKED</td><td>DATE</td></tr><tr><td>△</td><td></td><td></td><td></td><td></td><td></td></tr></table>							COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	△					
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REMARK			APPROVED	HO.MIWA	05.12.16												
			CHECKED	YH.ENAMI	05.12.16												
			DESIGNED	TU.TANIGUCHI	05.12.16												
			DRAWN	MT.ITANO	05.12.15												
Unless otherwise specified, refer to JIS C 5402.																	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-120440-01												
HRS	SPECIFICATION SHEET		PART NO.	F140B-20S (50)													
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL230-0518-7-50	△ 1/1												