

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.	○ -
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
△					
REMARK				APPROVED	HO.MIWA 05.12.16
				CHECKED	YH.ENAMI 05.12.16
				DESIGNED	TU.TANIGUCHI 05.12.16
Unless otherwise specified, refer to JIS C 5402.				DRAWN	MT.ITANO 05.12.15
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