

APPLICABLE STANDARD		SPECIFICATIONS				
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	-		
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 mΩ MAX. 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 mΩ MAX. 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 mΩ MAX. 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 mΩ MAX. 2) NO HEAVY CORROSION.		<input type="radio"/> -	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
						
REMARK Unless otherwise specified, refer to JIS C 5402.				APPROVED	HO.MIWA	05.12.16
				CHECKED	YH.ENAMI	05.12.16
				DESIGNED	TU.TANIGUCHI	05.12.16
				DRAWN	MT.ITANO	05.12.15
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-120440-01
	SPECIFICATION SHEET		PART NO.	FI40B-20S (50)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL230-0518-7-50		1/1