

APPLICABLE STANDARD								
RATING	OPERATING TEMPERATURE RANGE	-25°C TO +85°C		STORAGE TEMPERATURE RANGE	-25°C TO +60°C			
	OPERATING & STORAGE HUMIDTY RANGE	85%MAX		APPLICABLE CABLE	TINNED ANNEALED COPPER SIZE : AWG28 STRANDING : 7/0.127 INSULATION DIAMETER : $\phi 0.9 \pm 0.04$			
	VOLTAGE	AC 125V						
	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).		50 mΩ MAX. (SIGNAL)  1		X X			
INSULATION RESISTANCE	100 V DC.		1000 MΩ MIN.		X —			
VOLTAGE PROOF	250 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X X			
MECHANICAL CHARACTERISTICS								
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE 43 N MAX. WITHDRAWAL FORCE 3.8 N MIN.		X —			
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE 70 mΩ MAX.  1 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X —			
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, 5 min/CYCLE, TOTAL 10 CYCLES.		1) NO ELECTRICAL DISCONTINUITY OF 10 μ s. 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: 70 mΩ MAX.  1 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				
 1		DIS-E-003445		CHECKED				
REMARK		 EXCLUDES CONDUCTOR RESISTANCE OF CABLE.  2 EXAMINATION IS HELD WITH "DH-51-CV * B", "DH30B-51S" AND "DH60-51P" OR "DH-51-CT * B", "DH30B-51S" AND "DH60A-51P". Unless otherwise specified, refer to JIS C 5402 .		APPROVED	AO. SUZUKI 09. 10. 07			
				CHECKED	KN. ICHIKAWA 09. 10. 07			
				DESIGNED	MO. SHIMOMAYAMA 09. 10. 07			
				DRAWN	TM. ONO 09. 10. 07			
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-126597-00			
	SPECIFICATION SHEET		PART NO.	DH30B-51S				
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL244-0020-9-00	 1/1			