

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) 	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.  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 μs. 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.  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	CHECKED	DATE
 1	DIS-E-003445		TF. HIGASHIYAMA	KN. ICHIKAWA	10. 09. 29
REMARK			APPROVED	AO. SUZUKI	09. 10. 07
 EXCLUDES CONDUCTOR RESISTANCE OF CABLE.			CHECKED	KN. ICHIKAWA	09. 10. 07
 2 EXAMINATION IS HELD WITH "DH-51-CV * B", "DH30B-51S" AND "DH60-51P" OR "DH-51-CT * B", "DH30B-51S" AND "DH60A-51P".			DESIGNED	MO. SHIMOYAMA	09. 10. 07
Unless otherwise specified, refer to JIS C 5402 .			DRAWN	TM. ONO	09. 10. 07
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-126597-00
HRS		SPECIFICATION SHEET	PART NO.	DH30B-51S	
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL244-0020-9-00	 1/1