

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-25°C TO +85°C	STORAGE TEMPERATURE RANGE
	OPERATING & STORAGE HUMIDITY RANGE	85%MAX	TINNED ANNEALED COPPER SIZE : AWG28 STRANDING : 7/0.127 INSULATION DIAMETER : ϕ 0.9 \pm 0.04
	VOLTAGE	AC 125V	
CURRENT	0.5 A	APPLICABLE CABLE	

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 m Ω MAX. (SIGNAL) 1	X	X
INSULATION RESISTANCE	100 V D.C.	1000 M Ω 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 EXTRACTATIONS.	1) CONTACT RESISTANCE 70 m Ω 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 m Ω 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 M Ω 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

<p>1 EXCLUDES CONDUCTOR RESISTANCE OF CABLE.</p> <p>2 EXAMINATION IS HELD WITH "DH-51-CV * B", "DH30B-51S" AND "DH60-51P" OR "DH-51-CT * B", "DH30B-51S" AND "DH60A-51P".</p> <p>Unless otherwise specified, refer to JIS C 5402 .</p>	APPROVED	AO. SUZUKI	09.10.07
	CHECKED	KN. ICHIKAWA	09.10.07
	DESIGNED	MO. SHIMOVAMA	09.10.07
	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