

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25°C TO +85°C	STORAGE TEMPERATURE RANGE	-25°C TO +60°C
	OPERATING & STORAGE HUMIDITY 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
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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 30N MAX. WITHDRAWAL FORCE 3 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 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. 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	CHECKED	DATE
1	DIS-E-003445	TF. HIGASHIYAMA	KN. ICHIKAWA	10.09.29

REMARK 1 EXCLUDES CONDUCTOR RESISTANCE OF CABLE. 2 EXAMINATION IS HELD WITH "DH-27-CV * B", "DH30B-27S" AND "DH60-27P" OR "DH-27-CT * B", "DH30B-27S" AND "DH60A-27P *". Unless otherwise specified, refer to JIS C 5402 .	APPROVED	AO. SUZUKI	09.10.07
	CHECKED	KN. ICHIKAWA	09.10.07
	DESIGNED	MO. SHIMOYAMA	09.10.06
	DRAWN	TM. ONO	09.10.05

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-126595-00
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HRS	SPECIFICATION SHEET	PART NO.	DH30B-27S	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL244-0018-7-00	1 / 1/1