

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 -25°C TO +60°C
	OPERATING & STORAGE HUMIDITY RANGE	85%MAX	TINNED ANNEALED COPPER SIZE : AWG28 STRANDING : 7/0.127 INSULATION DIAMETER : φ0.9±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) <input checked="" type="checkbox"/> 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. <input checked="" type="checkbox"/> 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 mis 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. <input checked="" type="checkbox"/> 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.				
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-126595-00	

HRS	SPECIFICATION SHEET	PART NO.	DH30B-27S	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL244-0018-7-00	<input checked="" type="checkbox"/> 1/1