

Jul.1.2022 Copyright 2022 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
 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	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		
<b>SPECIFICATIONS</b>				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
<b>ELECTRICAL CHARACTERISTICS</b>				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	50 mΩ MAX. (SIGNAL) <span style="border: 1px solid black; padding: 0 2px;">1</span>	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
<b>MECHANICAL CHARACTERISTICS</b>				
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. <span style="border: 1px solid black; padding: 0 2px;">1</span> 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 <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
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. <span style="border: 1px solid black; padding: 0 2px;">1</span> 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
<span style="border: 1px solid black; padding: 0 2px;">1</span>	DIS-E-003445	TF. HIGASHIYAMA	KN. ICHIKAWA	10.09.29
REMARK		APPROVED	AO. SUZUKI	09.10.07
<span style="border: 1px solid black; padding: 0 2px;">1</span> EXCLUDES CONDUCTOR RESISTANCE OF CABLE.		CHECKED	KN. ICHIKAWA	09.10.07
<span style="border: 1px solid black; padding: 0 2px;">2</span> EXAMINATION IS HELD WITH "DH-27-CV * B", "DH30B-27S" AND "DH60-27P" OR "DH-27-CT * B", "DH30B-27S" AND "DH60A-27P *".		DESIGNED	MO. SHIMOYAMA	09.10.06
Unless otherwise specified, refer to JIS C 5402 .		DRAWN	TM. ONO	09.10.05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-126595-00	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DH30B-27S	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL244-0018-7-00	<span style="border: 1px solid black; padding: 0 2px;">1</span> / 1/1