

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	—	—
	VOLTAGE	AC 125V	CURRENT	0.5 A

### SPECIFICATIONS

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).	<div style="display: flex; justify-content: space-between;"> <span>① → ②</span> <span>△ ①</span> </div> USING IDC TYPE : 50mΩ MAX. (SIGNAL) <div style="display: flex; justify-content: space-between;"> <span>① → ③</span> <span></span> </div> USING SOLDER TYPE : 65mΩ MAX. (SIGNAL)	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 ① → △ ① ② → USING IDC TYPE : 70mΩ MAX. ③ → USING SOLDER TYPE : 85mΩ 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 <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 ① → △ ① ② → USING IDC TYPE : 70mΩ MAX. ③ → USING SOLDER TYPE : 85mΩ 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	—

- △ ① EXCLUDES CONDUCTOR RESISTANCE OF CABLE.  
 △ ② EXAMINATION IS HELD WITH "DH-27-CV\*B", "DH3\*B-27S" AND "DH60-27P".  
 (PLUG : IDC TYPE)  
 △ ③ EXAMINATION IS HELD WITH "DH-27-CV\*B", "DH40-27S" AND "DH60-27P".  
 (PLUG : SOLDER TYPE)

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△ 5	DIS-E-003449	TY. MIURA	AH. KODAMA	10. 10. 13

REMARK	APPROVED	CHECKED	DESIGNED	DRAWN	DATE
Unless otherwise specified, refer to JIS C 5402.	KN. ICHIKAWA	KN. ICHIKAWA	MO. SHIMOYAMA	TM. ONO	09. 11. 16
					09. 11. 16
					09. 11. 16
					09. 11. 13

Note QT:Qualification Test AT:Assurance Test X:Applicable Test      DRAWING NO.      ELC4-126268-00

<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DH60-27P	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL244-0001-4-00	△ 1/1