

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85°C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60°C (NOTE3)
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)
	VOLTAGE	50 V AC/DC	APPLICABLE CONTACT	DF57-*S-1.2C DF57H-*S-1.2C
	CURRENT	AWG28 : 2.5 A AWG30 : 1.5 A	APPLICABLE CABLE	AWG28 TO AWG 30
INSULATION DIAMETER			φ 0.5~0.63 mm	

## 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

### ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000 Hz).	10 mΩMAX.	X	-
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### MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCES	T=0.2±0.002 mm BY STEEL GAUGE.	INSERTION FORCE 5 N MAX. EXTRACTION FORCE 0.1 N MIN.	X	-
MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTION.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
CRIMP TENSILE STRENGTH		① #AWG28 : 10 N MIN. ② #AWG30 : 8 N MIN.	X	-

### ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT(STEADY STATE)	EXPOSED AT 40 ± 2°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55°C→ +85°C TIME 30min→ 30min UNDER 5 CYCLES. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)		X	-

#### REMARKS

NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT

NOTE 3:NON-CONDENSING.

NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
1	DIS-H-00000127	MI. SAKIMURA	KI. AKIYAMA	15.02.16

#### REMARKS

Unless otherwise specified, refer to IEC 60512.	APPROVED	TS. SAKATA	09.11.30
	CHECKED	MN. KENJO	09.11.28
	DESIGNED	TS. KUMAZAWA	09.11.27
	DRAWN	TS. KUMAZAWA	09.11.27

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-322918-00
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF57-2830SCF
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL666-0001-4-00
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