

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	DF57A- * S-1.2C DF57AH- * S-1.2C
	CURRENT	AWG26 : 3.0 A AWG28 : 2.5 A	APPLICABLE CABLE	AWG26 TO AWG 28
			INSULATION DIAMETER	φ 0.88mmMAX

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 ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	-
CRIMP TENSILE STRENGTH		① #AWG26 : 12 N MIN. ② #AWG28 : 10 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	-

NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.

NOTE2:NO CONDENSING

NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFOR PCB ON BOARD, AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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REMARKS

Unless otherwise specified, refer to JIS C 5402.	APPROVED	KI. AKIYAMA	12. 11. 17
	CHECKED	HK. UMEHARA	12. 11. 16
	DESIGNED	TS. KUMAZAWA	12. 11. 16
	DRAWN	MI. SAKIMURA	12. 11. 15

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO.

ELC4-332439-02

HRS	SPECIFICATION SHEET	PART NO.	DF57-2628SCF (41)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL666-0013-3-41	△ 1/1