

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE3)
	OPERATING HUMIDITY RANGE	20 % TO 80 % (NOTE2)	STORAGE HUMIDITY RANGE	40 % TO 70 % (NOTE3)
	VOLTAGE	AC/DC 100V	APPLICABLE SOCKET	DF50A-*S-1C DF50(S)-*DS-1C
	CURRENT	AWG 28 : 1.0 A AWG 30 : 0.9 A	APPLICABLE CABLE	AWG#28-30

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	AC 20mV MAX 1mA (DC OR 1000 Hz).	30mΩ MAX.	X	-
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MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCES	T=0.15±0.002 mm BY STEEL GAUGE.	INSERTION FORCE 1 N MAX. EXTRACTION FORCE 0.08 N MIN.	X	-
MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 50mΩ 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 EACH, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. 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	-

ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① INSULATION RESISTANCE: 50mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→+85°C TIME 30→ 30min. UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2~3 min)		X	-

REMARKS

NOTE 1: INCLUDING THE TEMPERATURE RISE BY CURRENT.

NOTE 2: NON-CONDENSING

NOTE 3: 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
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UNLESS OTHERWISE SPECIFIED, REFER TO IEC 60512			APPROVED	KI. AKIYAMA 14.01.09
			CHECKED	HK. UMEHARA 14.01.09
			DESIGNED	KY. SHIMAKURA 14.01.08
			DRAWN	MI. SAKIMURA 14.01.06
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-335648-01	
HRS	SPECIFICATION SHEET	PART NO.	DF50K-2830SCFA	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL665-0017-8-00	△ 1/1