

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	DF50-*DS-1C
	CURRENT	AWG 28 : 1.0 A AWG 30 : 0.9 A	APPLICABLE CONNECTOR	DF50-*DP-1V
			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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			APPROVED	TS. SAKATA	09.09.07
			CHECKED	MN. KENJO	09.09.07
			DESIGNED	TT. OHSAKO	09.09.07
			DRAWN	TT. OHSAKO	09.09.07

UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.

Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-320119-00
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HRS	SPECIFICATION SHEET	PART NO.	DF50-2830SCFA		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL665-0002-0-00	△	1/1