

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60 °C (NOTE 3)
	OPERATING HUMIDITY RANGE	40% TO + 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO + 70% (NOTE 3)
	VOLTAGE	250 V AC (DC)	APPLICABLE CONNECTOR	DF1B-* (E) S-2. 5R (C) DF1B-*D (E) S-2. 5RC
	CURRENT	3 A	APPLICABLE CABLE	UL1007, 1061 : 20-22 AWG

## 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 MILLIVOLT LEVEL METHOD	100 mA (DC OR 1000Hz).	30 mΩ MAX.	X	-
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### MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCE	□0.635±0.002mm BY STEEL GAUGE.	INSERTION FORCE : 4.4 N MAX. EXTRACTION FORCE : 0.44 N MIN.	X	-
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	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.			

### ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→5 TO 35→+85→5 TO35 °C TIME 30 →5 →30 →5 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-

### REMARKS

NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.  
NOTE 2:NO CONDENSING.  
NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATINGTEMPERATURE 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 JIS C 5402.	APPROVED	KI. AKIYAMA	10.12.16
	CHECKED	HK. UMEHARA	10.12.16
	DESIGNED	HT. SATO	10.12.16
	DRAWN	MI. SAKIMURA	10.12.16

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-021361-01
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF1B-2022SCA		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL541-0663-4-00	△	1/1