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In case that the application demands a high level of reliability, such as automotive,
please contact a company representative for further information.

APPLICABLE STANDARD				
RATING	VOLTAGE	250 V AC/DC	CURRENT 	AWG20 : 5 A AWG22 : 3 A
	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTES 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)
	APPLICABLE CABLE	UL1007,1061 : 20-22 AWG	APPLICABLE CONNECTOR	DF1B-*S-2.5R DF1B-*DS-2.5RC DF1B-*(D)ES-2.5RC

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	<input type="checkbox"/> 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 ² 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 RISING BY CURRENT
NOTE 2:NO CONDENSING.
NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE MOUNTED ON PCB,
AFTER MOUNTED ON PCB, OPERATINGTEMPERATURE AND HUMIDITY RANGE IS APPLIED
FOR INTERIM STORAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	1		TS. KUMAZAWA	SZ. ONO	20181019

Unless otherwise specified, refer to IEC 60512.	APPROVED	KI. AKIYAMA	20101216
	CHECKED	HK. UMEHARA	20101216
	DESIGNED	HT. SATO	20101216
	DRAWN	MI. SAKIMURA	20101216

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