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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	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)
	VOLTAGE	250 V AC (DC)	APPLICABLE CONNECTOR	DF1B-*(E)S-2.5R(C) DF1B-*D(E)S-2.5RC
	CURRENT	AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A	APPLICABLE CABLE	UL1007 : 24 TO 28 AWG

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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	–
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCE	□0.635±0.002mm BY STEEL GAUGE.	INSERTION FORCE : 4.4N MAX. EXTRACTION FORCE : 0.44N 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 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, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

APPROVED	KI.AKIYAMA	10.11.26
CHECKED	TS.FUKUSHIMA	10.11.25
DESIGNED	HT.SATO	10.11.25
DRAWN	MI.SAKIMURA	10.11.24

Unless otherwise specified, refer to JIS C 5402.

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

DRAWING NO. ELC4-080533-01

HRS	SPECIFICATION SHEET	PART NO.	DF1B-2428SCA	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL541-0681-6-00 ⚠0	1/1

FORM HD0011-2-1