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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD				
RATING	VOLTAGE	250 V AC (DC)	CURRENT	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	DF1E−*S−2.5C

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	20 mV MAX, 1mA (DC OR 1000Hz).	30 mΩ MAX.	X	−
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCE	□0.635±0.002mm BY STEEL GAUGE.	INSERTION FORCE : 4.4 N MAX. EXTRACTION FORCE : 0.29 N MIN.	×	−
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, OPERATINGTEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0					

Unless otherwise specified, refer to JIS C 5402.

APPROVED	KI.AKIYAMA	12.10.11
CHECKED	HK.UMEHARA	12.10.11
DESIGNED	HT.SATO	12.10.11
DRAWN	MI.SAKIMURA	12.10.10

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

DRAWING NO. ELC4-162826-01

HRS

SPECIFICATION SHEET	PART NO.	DF1E-2022SCFA	
HIROSE ELECTRIC CO., LTD.	CODE NO.	CL541-1001-5-00	0 1/1

FORM HD0011-2-1