

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	DF1E(A)-*EP-2.5C	
	CURRENT	AWG 22 TO 20: 3 A/pin	APPLICABLE CABLE	UL1007, 1061: AWG 22 TO 20	
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. 1 mA (DC OR 1000 Hz).	30 mΩ MAX.	X	—
MECHANICAL CHARACTERISTICS					
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.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX 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					
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2: NO CONDENSING. NOTE3: APPLY TO UNUSED PRODUCT ON PACKAGED CONDITION.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
Unless otherwise specified, refer to IEC 60512.			APPROVED	SJ.OKAMURA	20210812
			CHECKED	SZ.ONO	20210812
			DESIGNED	KT.NUMATA	20210812
			DRAWN	NK.OOSHIMA	20210806
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-162828-00-00
HRS	SPECIFICATION SHEET		PART NO.	DF1E-2022PCFA	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0541-1003-0-00	△ 1/1