



**THE DATASHEET OF
DF1E-2428PCF**



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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	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTES 1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	250 V AC	APPLICABLE CONNECTOR	DF1E(A)-*EP-2.5C	
	CURRENT	AWG28 TO 24: 1 TO 3A	APPLICABLE CABLE	UL1007, 1061: AWG28 TO 24	
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	20 mV MAX. 1 mA (DC OR 1000 Hz).		30 mΩ MAX.	X	—
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	30 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.			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.			X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
REMARKS			APPROVED	TY.OMA	07.03.20
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT			CHECKED	HK.UMEHARA	07.03.20
Unless otherwise specified, refer to JIS C 5402.			DESIGNED	TS.FUKUSHIMA	07.03.19
			DRAWN	TS.FUKUSHIMA	07.03.19
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-161022-01	
	SPECIFICATION SHEET		PART NO.	DF1E-2428PCF	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541-0939-3-00	

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