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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	-30°C TO 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C (NOTE 3)	
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE 2)	STORAGE HUMIDITY RANGE	20% TO 70% (NOTE 3)	
	VOLTAGE	250V AC	APPLICABLE CONTACT	DF3-EP2428PC (A) DF3-EP2428PCF (A)	
	CURRENT	AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A	APPLICABLE CABLE	UL1061, 1007 AWG24~28	
			APPLICABLE CONNECTOR	DF3-13S-2C	
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×	
MARKING	CONFIRMED VISUALLY.		×	×	
ELECTRIC CHARACTERISTICS					
INSULATION RESISTANCE	500V DC.	1000MΩ MIN.	×	—	
VOLTAGE PROOF	650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	—	
MECHANICAL CHARACTERISTICS					
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—	
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 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 1000MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—	
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① INSULATION RESISTANCE: 500MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—	
REMARKS					
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.					
NOTE2:NO CONDENSING.					
NOTE3: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 INTERM STORAGE DURING TRANSPORTATION.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
Unless otherwise specified, refer to JIS C 5402.			APPROVED	TS. SAKATA	09.01.17
			CHECKED	TS. KUMAZAWA	09.01.17
			DESIGNED	KT. ISHII	09.01.16
			DRAWN	KT. ISHII	09.01.16
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-020370-01	
HRS	SPECIFICATION SHEET		PART NO.	DF3-13EP-2C	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543-0075-9-00	△ 1/1