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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 (NOTE1)	STORAGE TEMPERATURE RANGE	−10 °C TO +60 °C (NOTE3)
	OPERATING MOISTURE RANGE	40 % TO 80 % (NOTE2)	STORAGE MOISTURE RANGE	40 % TO 70 % (NOTE3)
	VOLTAGE	250 V AC (DC)	APPLICABLE CABLE	UL1061, 1007 AWG22 TO 30
	CURRENT	2 A	APPLICABLE CONTACT	DF11-EP2428PC (F) DF11-EP2428PC (F) A DF11-EP22PCF
	APPLICABLE CONNECTOR	DF11-18DS-2C		

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				
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	−
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	−
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	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.	NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	−
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	−
ENVIRONMENTAL CHARACTERISTICS				
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.	X	−
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 → 5 TO 35 →+85→5 TO 35°C TIME 30 →10 TO 15 → 30→10 TO15min UNDER 5 CYCLES.	① INSULATION RESISTANCE:1000MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	−

REMARKS
NOTE 1: INCLUDING THE TEMPERATURE RISE BY CURRENT.
NOTE 2: NON-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					

Unless otherwise specified, refer to JIS C 5402	APPROVED	TS. SAKATA 08. 12. 04
	CHECKED	TS. KUMAZAWA 08. 12. 04
	DESIGNED	KT. ISHII 08. 12. 02
	DRAWN	KT. ISHII 08. 12. 02

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

DRAWING NO. ELC4-083335-01

HRS	SPECIFICATION SHEET	PART NO.	DF11-18DEP-2C	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543-0626-0-00 ⚠0	1/1

FORM HD0011-2-1