

Apr.1.2025 Copyright 2025 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
 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	-40°C TO + 85°C (NOTE 1)		STORAGE TEMPERATURE RANGE	-10°C TO + 60°C	
	OPERATING HUMIDITY RANGE	40% TO 80% (NOTE2)		STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)	
	VOLTAGE	250V AC	UL·CSA RATING	30V AC	APPLICABLE CONTACT	
	CURRENT	2 A		2 A	APPLICABLE CABLE	
	APPLICABLE CONNECTOR	DF11-*DS-2C			DF11-EP2428PC (F) DF11-EP2428PC (F) A  UL1061, 1007 AWG24 TO 28	
<b>SPECIFICATIONS</b>						
ITEM	TEST METHOD			REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.				X	X
<b>ELECTRIC CHARACTERISTICS</b>						
INSULATION RESISTANCE	500 V DC.			1000 MΩ MIN.	X	-
VOLTAGE PROOF	650 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.	X	-
<b>MECHANICAL CHARACTERISTICS</b>						
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 <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>						
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.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			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:NO 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
	13	DIS-H-008583		MI. SAKIMURA	HK. UMEHARA	14. 03. 25
REMARKS NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.				APPROVED	KJ. KATAYOSE	05. 01. 05
				CHECKED	TY. OMA	05. 01. 05
				DESIGNED	IO. DENPOUYA	05. 01. 05
Unless otherwise specifid , refer to IEC 60512.				DRAWN	IO. DENPOUYA	05. 01. 05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-081880-01
	SPECIFICATION SHEET			PART NO.	DF11-*DEP-2C	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL543	