

Apr.1.2020 Copyright 2020 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	-30 °C TO +85 °C (NOTE1)			STORAGE TEMPERATURE RANGE	-10°C TO +60 °C (NOTE3)		
	OPERATING HUMIDITY RANGE	40% TO + 80% (NOTE2)			STORAGE HUMIDITY RANGE	40% TO + 70% (NOTE3)		
	VOLTAGE	AC 250 V	UL-CSA RATING	AC 30 V	APPLICABLE CABLE	UL1061, 1007 AWG22 TO 30		
	CURRENT	2 A		2 A	APPLICABLE CONTACT	DF11-22SC* DF11-2428SC* DF11-30SC*		
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		TEST SHALL BE CARRIED IN THE MATED CONDITION WITH THE APPLICABLE CONNECTOR.			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 1μs. 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.			① NO ELECTRICAL DISCONTINUITY OF 1μs. ② 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: 500 MΩ 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 → 5 → 30 → 5 min 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: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.								
Unless otherwise specified, refer to JIS C 5402.								
	COUNT	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED	DATE	
△								
					APPROVED	TY. OMA	06.09.29	
					CHECKED	HK. UMEHARA	06.09.29	
					DESIGNED	NS. HIROSE	06.09.28	
					DRAWN	AK. MIURA	06.09.26	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DRAWING NO.		ELC4-162389-02	
HRS	SPECIFICATION SHEET				PART NO.	DF11-*DS-2C (20)		
	HIROSE ELECTRIC CO., LTD.				CODE NO.	CL543	△	1/1