

Oct.1.2018 Copyright 2018 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
 In case that the application demands a high level of reliability, such as automotive,
 please contact a company representative for further information.

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