Oct.1.2022 Copyright 2022 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(NOTE2)	
	VOLTAGE	250V AC	APPLICABLE CONNECTOR	DF4-*P-2C/DF4-*DP-2C	
	CURRENT	AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A	APPLICABLE WIRE	UL1061, AWG24 TO 28	
			SUBSTRATE RECOMMENDATION SPROCKET HOLE	SINGLE LOW	φ0.8(+0.1/0)
				DOUBLE LOW	φ0.9±0.05

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
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	X	—
MECHANICAL CHARACTERISTICS				
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 CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 15 TO 35 →85 →15 TO 35 °C TIME 30→ 10 TO 15 →30→10 TO 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RESISTANCE TO SOLDERING HEAT	①AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE : 250℃ FOR IMMERSION,DURATION : 10 sec. ②MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300℃ SOLDERING TIME : 3 sec. NO STRENGTH ON CONTACT.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—

REMARKS
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.
NOTE2: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	TY. OMA	07. 06. 22
CHECKED	HK. UMEHARA	07. 06. 22
DESIGNED	TS. KUMAZAWA	07. 06. 22
DRAWN	KT. ISHII	07. 06. 22

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

DRAWING NO. ELC4-019441-03

HRS	SPECIFICATION SHEET	PART NO.	DF4-2428PCF(05)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL544-0020-3-05 △0	1/1

FORM HD0011-2-1