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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		-35 °C TO +105°C (NOTE1)		STORAGE TEMPERATURE RANGE	-10 °C TO +60°C (NOTE3)		
	OPERATING HUMIDITY RANGE		20% TO 80% (NOTE2)		STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)		
	APPLICABLE CONNECTOR		DF62#-5S-2.2C(##)		VOLTAGE	250V AC/DC		
	UL・C-UL RATING 1	VOLTAGE	250 V AC/DC		CURRENT	AWG 22 : 3A/pin AWG 24 : 2A/pin AWG 26-30 : 1A/pin		
		CURRENT	AWG 22 : 3A/pin AWG 24 : 2A/pin AWG 26-30 : 1A/pin					
	OPERATING TEMPERATURE RANGE		-35 °C TO +75°C (NOTE1)		APPLICABLE CONTACT	DF62-EP22PC* DF62-EP2428PC* DF62-EP30PC*		
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								
CONTACT RESISTANCE		20mV MAX, 1mA (DC or 1000Hz).			30 mΩ MAX.		X	—
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 INSERTION AND EXTRACTION.			①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.			①NO ELECTRICAL DISCONTINUITY OF 1 μ s. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES EACH FOR 3 BOTH AXIAL DIRECTIONS.			①NO ELECTRICAL DISCONTINUITY OF 1 μ s. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
ENVIRONMENTAL CHARACTERISTICS								
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)			①CONTACT RESISTANCE: 30 mΩ MAX. ②INSULATION RESISTANCE: 1000 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55°C→ +85°C TIME 30min→ 30min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2~3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)			①CONTACT RESISTANCE: 30 mΩ MAX. ②INSULATION RESISTANCE: 1000 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2:NO CONDENSING NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFOR PCB ON BOARD, AFTER PCB ON BOARD, OPERATING TEMPERATURE AND HUMIDITTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.								
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED		DATE
1	1	DIS-H-00019490		RI. GENDA		SZ. ONO		20231206
REMARKS Unless otherwise specified, refer to JIS C 5402.						APPROVED	KI. AKIYAMA	20131224
						CHECKED	OM. MIYAMOTO	20131224
						DESIGNED	TH. YOSHIZAWA	20131224
						DRAWN	TH. YOSHIZAWA	20131224
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-349138-00-00		
HS	SPECIFICATION SHEET			PART NO.		DF62P-5EP-2. 2C		
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL0544-0546-0-00		1 1/1