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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	DF62B-5S-2.2C(##) DF62C-5S-2.2C(##)	VOLTAGE	AC/DC 250V			
	UL-C-UL RATING 	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 HUMIDTTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.							
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
	1	DIS-H-00019433	RI. GENDA	SZ. ONO	20231121		
REMARKS				APPROVED	KI. AKIYAMA	20130704	
				CHECKED	OM. MIYAMOTO	20130703	
Unless otherwise specified, refer to JIS C 5402.				DESIGNED	TH. YOSHIZAWA	20130703	
				DRAWN	MI. SAKIMURA	20130627	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-351966-00-00		
	SPECIFICATION SHEET		PART NO.	DF62B-5EP-2. 2C			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0544-0561-3-00		1/1	