

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT		
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-3EP-2-2C(##)	VOLTAGE	AC/DC 250V					
	APPLICABLE CONTACT	DF62-22SC* DF62-2428SC* DF62-30SC*	CURRENT	AWG 22 : 3A AWG 24 : 2A AWG 26-30 : 1A					
SPECIFICATIONS									
ITEM	TEST METHOD		REQUIREMENTS				QT	AT	
CONSTRUCTION		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 μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				X	-		
SHOCK	490 ms ² DURATION OF PULSE 11 ms AT 3 TIMES EACH FOR 3 BOTH AXIAL DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 1 μs. 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 HUMIDITY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.									
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE				
REMARKS									
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-351956-02						
HRS		SPECIFICATION SHEET	PART NO.	DF62B-3S-2. 2C (18)					
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL544-0552-2-18					
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