

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

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		STORAGE TEMPERATURE RANGE	
OPERATING TEMPERATURE RANGE		-35 °C TO +105°C (NOTE1)		-10 °C TO +60°C (NOTE3)	
OPERATING HUMIDITY RANGE		20% TO 80% (NOTE2)		40% TO 70% (NOTE3)	
APPLICABLE CONNECTOR		DF62B-*EP-2.2C(##) DF62P-*EP-2.2C(##)		VOLTAGE AC/DC 250V	
APPLICABLE CABLE		AWG 24~28		CURRENT AWG 24 : 2A AWG 26-28 : 1A	
INSULATION DIAMETER		φ 0.9~φ 1.45 mm			
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS			
CONSTRUCTION		GENERAL EXAMINATION			
VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			
MARKING		CONFIRMED VISUALLY.			
ELECTRIC CHARACTERISTICS		CONTACT RESISTANCE			
20mV MAX, 1mA (DC or 1000Hz)		30 mΩ MAX.			
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30 TIMES INSERTION AND EXTRACTION.		①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
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.	
SHOCK		490 m/s 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.	
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. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
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. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					
NOTE 2: NO CONDENSING					
NOTE 3: 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		APPROVED		K.I. AKIYAMA	
		CHECKED		K.I. AKIYAMA	
		DESIGNED		TS. KUMAZAWA	
		DRAWN		TS. KUMAZAWA	
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-344685-00	
HRS		SPECIFICATION SHEET		PART NO.	
HIROSE ELECTRIC CO., LTD.		CODE NO.		GL544-0524-7-00	
		DRAWING NO.		DF62-EP2428PCF	
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