

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

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS	
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	
	APPLICABLE CONTACT	DF62-EP22PC* DF62-EP2428PC* DF62-EP30PC*	CURRENT	AWG 22 : 3A AWG 24 : 2A AWG 26-30 : 1A	

### 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		TEST METHOD	REQUIREMENTS	QT	AT
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		TEST METHOD	REQUIREMENTS	QT	AT
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 m/s <sup>2</sup> 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		TEST METHOD	REQUIREMENTS	QT	AT
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	-

REVISIONS		DESIGNED	CHECKED	DATE
Δ	COUNT	DESCRIPTION OF REVISIONS		
			APPROVED	13.07.04
			CHECKED	13.07.03
			DESIGNED	13.07.03
			DRAWN	13.06.27

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.

REMARKS		APPROVED	CHECKED	DATE
Unless otherwise specified, refer to JIS C 5402.		K.I. AKIYAMA		13.07.04
		OM. MIYAMOTO		13.07.03
		TH. YOSHI ZAWA		13.07.03
		MI. SAKIMURA		13.06.27

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

SPECIFICATION SHEET		PART NO.	DRAWING NO.	ELC4-351966-00
HIROSE ELECTRIC CO., LTD.		DF62B-5EP-2.2C		
CODE NO.	CL544-0561-3-00			