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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-*S-2.2C(##) DF62C-*S-2.2C(##)	VOLTAGE	AC/DC 250V
	APPLICABLE CABLE	AWG 22	CURRENT	AWG 22 : 3A
	INSULATION DIAMETER	φ 1.2~ φ 1.45 mm		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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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	-
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MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCES	T=0.44±0.002 mm BY STEEL GAUGE.	INSERTION FORCE 2.8 N MAX. EXTRACTION FORCE 0.15 N MIN.	X	-
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 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. ②NO 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. ②NO 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
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REMARKS Unless otherwise specified, refer to IEC 60512.	APPROVED	KI. AKIYAMA	14. 04. 26
	CHECKED	KI. AKIYAMA	14. 04. 26
	DESIGNED	TS. KUMAZAWA	14. 04. 25
	DRAWN	TS. KUMAZAWA	14. 04. 25

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-352024-00

HRS	SPECIFICATION SHEET	PART NO.	DF62-22SC	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL544-0572-0-00	△ 1/1