

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

APPLICABLE STANDARD			
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	DF62 *S-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	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	20mV MAX. 1mA (DC or 1000Hz).	30 mΩ MAX.	X	-

<b>MECHANICAL CHARACTERISTICS</b>				
CONTACT INSERTION AND EXTRACTION FORCES	T=0.44±0.002 mm BY STEEL GAUGE.	INSERTION FORCE EXTRACTION FORCE	2.8 N MAX. 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 <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 -

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
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 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.

APPROVED	CHECKED	DESIGNED	DRAWN
KI. AKIYAMA	MM. KENJOU	TO. HORII	TO. HORII
12.07.21	12.07.21	12.07.21	12.07.21

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

DRAWING NO.	ELC4-345107-00
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF62-2428SCA
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL544-0527-5-00
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