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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 +85°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)
	VOLTAGE	50 V AC/DC	APPLICABLE CONTACT	DF57H-*S-1.2C
	CURRENT	AWG28 : 2.5 A AWG30 : 1.5 A	APPLICABLE CABLE	AWG28 TO AWG 30
			INSULATION DIAMETER	ϕ0.5-0.63 mm

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				
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000 Hz).	10 mΩMAX.	X	–
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	T=0.2±0.002 mm BY STEEL GAUGE.	INSERTION FORCE 5 N MAX. EXTRACTION FORCE 0.1 N MIN.	X	–
MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTION.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	–
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT(STEADY STATE)	EXPOSED AT 40 ± 2℃ , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55℃→ +85℃ TIME 30min→ 30min UNDER 5 CYCLES. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)		X	–

NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.
NOTE2:NO CONDENSING
NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

REMARKS

Unless otherwise specified, refer to IEC 60512.

APPROVED	KI. AKIYAMA	14. 07. 31
CHECKED	TS. FUKUSHIMA	14. 07. 30
DESIGNED	TS. MIYAKI	14. 07. 30
DRAWN	TS. MIYAKI	14. 07. 30

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

DRAWING NO. ELC4-346818-00

HRS	SPECIFICATION SHEET	PART NO.	DF57-2830SCFA	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL666-0034-3-00 ⚠0	1/1

FORM HD0011-2-1