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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	DF57A- * S-1.2C DF57AH- * S-1.2C	
	CURRENT	AWG26 : 3.0 A AWG28 : 2.5 A	APPLICABLE CABLE	AWG26 TO AWG 28	
			INSULATION DIAMETER	φ0.88mmMAX	
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 μ s. 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	—
CRIMP TENSILE STRENGTH			① #AWG26 : 12 N MIN. ② #AWG28 : 10 N MIN.	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.)	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55°C→ +85°C 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 BEFOR PCB ON BOARD, AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITTY 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	KI. AKIYAMA	12. 11. 17
			CHECKED	HK. UMEHARA	12. 11. 16
			DESIGNED	TS. KUMAZAWA	12. 11. 16
			DRAWN	MI. SAKIMURA	12. 11. 15
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-332439-02
HRS	SPECIFICATION SHEET		PART NO.	DF57-2628SCF (41)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL666-0013-3-41	△ 1/1