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

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO 85 °C(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60 °C
	VOLTAGE	250 V AC	APPLICABLE CONNECTORS	DF1B-＊S-2.5R DF1B-＊DS-2.5RC DF1B-＊(D)ES-2.5RC
	CURRENT	AWG24～28 : 1A	OPERATING HUMIDITY RANGE	UL1007,1061:AWG24～28

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX, 1 mA(DC OR 1000 Hz).	30 mΩ MAX.	×	—
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	×	—
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASH OVER OR BREAKDOWN.	×	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	□0.635±0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4 N MAX. EXTRACTION FORCE 0.44 N MIN.	×	—
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75mm AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② CONTACT RESISTANCE: 30 mΩ MAX.	×	—
SHOCK	490 m/s² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →5 TO 35→85 →5 TO 35 °C TIME 30 → 10 → 30 → 10 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:1000MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT	J.Nakamura	Y. Inoue	K. Akiyama	K. Katayose	
Unless otherwise specified, refer to MIL-STD-1344.	'01.05.16	'01.05.16	'01.5.17	'01.5.17	

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF1B−2428SC

CODE NO.(OLD)	DRAWING NO.	PEART NO	
CL	ELC4−080531	CL541−0679−4	1/1

TO

FORM No.231-1