

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

TO

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

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	<input type="checkbox"/> 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. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.		×	—
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						
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT						
		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		J.Nakamura	Y. Iwase	K. Kobayashi	K. Katayama	
		01.05.16	01.05.16	01.5.17	01.5.17	
Unless otherwise specified, refer to MIL-STD-1344.						
Note QT: Qualification Test AT: Assurance Test X: Applicable Test						

HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF1B-2428SC	
CODE NO.(OLD)	DRAWING NO.	ELC4-080531	PEART NO	CL541-0679-4	
CL					1
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