

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
△					△				
△					△				
△					△				

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 m Ω 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. 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
	Unless otherwise specified, refer to MIL-STD-1344.	Y.JINQUE	<i>Y. Jinoue</i>	<i>Y. Higashimura</i>	<i>K. Hatakeyama</i>	
		00.09.14	00.9.14	00.9.14	00.9.18	

Note QT: Qualification Test AT: Assurance Test X: Applicable Test		HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF1B-2428SCFA	
CODE NO.(OLD)	DRAWING NO.	ELC4-080532	CL	PEART NO	CL541-0680-3	1	1

FORM No.231-1

