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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(NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	250 V AC			APPLICABLE CONNECTOR	DF1BA-* EP-2.5RC			
	CURRENT	3 A (AWG 24)				DF1BA-*DEP-2.5RC			
		2 A (AWG 26)				DF1B -* EP-2.5RC			
	1 A (AWG 28)			DF1B -*DEP-2.5RC					
					APPLICABLE CABLE	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 FLASHOVER OR BREAKDOWN.			×	—
MECHANICAL CHARACTERISTICS									
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR 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 OR LOOSENESS OF PARTS.			×	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.			① NO ELECTRICAL DISCONTINUITY OF 1μs. ② CONTACT RESISTANCE: 30 mΩ MAX. 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.						×	—
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.				DRAWN Y.Nagashima '01.01.10	DESIGNED Y. Inoue '01.01.11	CHECKED T. Miyazaki '01.1.11	APPROVED K. Katayama '01.1.12	RELEASED	
Unless otherwise specified, refer to MIL-STD-1344.									
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DF1-PD2428SCFB		
CODE NO.(OLD) CL		DRAWING NO. ELC4-021358			PART NO. CL541-0660-6			1/1	

TO

