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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(NOTES 1)		STORAGE TEMPERATURE RANGE	-10°C TO +60 °C(NOTE 2)	
	VOLTAGE	250 V AC (DC)		APPLICABLE CONNECTOR	DF1B-*S-2.5R DF1B-*DS-2.5RC DF1B-*(D)ES-2.5RC	
	APPLICABLE CABLE	AWG28	1A	APPLICABLE CABLE	AWG28 :UL1061,UL1007	
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 MILLIVOLT LEVEL METHOD	100 mA (DC OR 1000Hz).			30 mΩ MAX.	X	-
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCE	□0.635±0.002mm BY STEEL GAUGE.			INSERTION FORCE : 4.4 N MAX. EXTRACTION FORCE : 0.44 N MIN.	x	-
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. 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.					
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15TO+35→+85→+15TO35 °C TIME 30 →2 TO 3 → 30 →2 TO 3 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
REMARKS						
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATINGTEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.						
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
				APPROVED	KI. AKIYAMA	12. 10. 22
				CHECKED	HK. UMEHARA	12. 10. 22
				DESIGNED	KY. SHIMAKURA	12. 10. 22
				DRAWN	MI. SAKIMURA	12. 10. 19
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-020660-01	
HRS	SPECIFICATION SHEET		PART NO.	DF1B-R28A (06)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541-0266-4-06	△	1/1