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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(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60 °C(NOTE 3)	
	OPERATING HUMIDITY RANGE	40% TO + 80%(NOTE 2)	STORAGE HUMIDITY RANGE	40% TO + 70%(NOTE 3)	
	VOLTAGE	250V AC/DC	CURRENT	0.5A/pin	
	APPLICABLE CABLE	UL1007 : AWG 30			
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	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 : 4.4N MAX. EXTRACTION FORCE : 0.44N MIN.	X	—	
MECHANICAL OPERATION	30 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.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—	
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 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 RISING BY CURRENT. NOTE 2:NO CONDENSING. NOTE 3:APPLY TO UNUSED PRODUCT ON PACKAGED CONDITION.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
					
Unless otherwise specified, refer to IEC 60512.			APPROVED	SJ. OKAMURA	20210812
			CHECKED	SZ. ONO	20210812
			DESIGNED	KT. NUMATA	20210812
			DRAWN	NK. OOSHIMA	20210806
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-081077-00-00	
	SPECIFICATION SHEET		PART NO.	DF1B-30PC	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0541-0687-2-00	 1/1