

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

APPLICABLE STANDARD		SPECIFICATIONS	
RATING	OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE	
	-35 °C TO +85 °C(NOTE 1)	-10 °C TO +60 °C(NOTE 3)	
	OPERATING HUMIDITY RANGE	STORAGE HUMIDITY RANGE	40% TO 70%(NOTE 3)
	40% TO 80%(NOTE 2)		
	VOLTAGE	CURRENT	0.5A
	AC 250 V		
	APPLICABLE CABLE		
	UL1007, UL1061 : AWG30		

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 1000 HZ)	30 mΩ MAX.	X	—
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	—
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—

MECHANICAL CHARACTERISTICS				
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 1μs ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X —
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			X —

ENVIRONMENTAL CHARACTERISTICS				
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 —
RAPID CHANGE OF TEMPERATURE	TEMPERATURE TIME	-55 → 5 TO 35 → 85 → 5 TO 35°C 30 → 10 → 30 → 10 min		X —

REMARKS
 NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT.
 NOTE2:NO CONDENSING.
 NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD AFTER PCBOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Δ				
Unless otherwise specified, refer to JIS C 5402.				
		APPROVED	TS. SAKATA	07.08.29
		CHECKED	HK. UMEHARA	07.08.29
		DESIGNED	KT. ISHII	07.08.27
		DRAWN	KT. ISHII	07.08.27

Note	QT:Qualification Test	AT:Assurance Test	X:Applicable Test	DRAWING NO.	ELC4-081076-01
HRS	SPECIFICATION SHEET		PART NO.	DF1B-30PCF	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541-0686-0-00	Δ
					1/1