




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

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		STORAGE TEMPERATURE RANGE	
		-40°C T0 + 85°C (NOTE 1) 		-10°C T0 + 60°C	
RATING	OPERATING HUMIDITY RANGE	40% T0 + 80% (NOTE 2)		STORAGE HUMIDITY RANGE	
	VOLTAGE	250V AC		APPLICABLE CONNECTOR	
	CURRENT	0.5A		APPLICABLE CABLE	
				UL1061/UL1007 AWG30	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS		
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.			
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100mA (DC OR 1000 Hz).		30mΩ MAX.	
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
CONTACT INSERTION AND EXTRACTION FORCE		D0.5±0.002 BY STEEL GAUGE.		INSERTION FORCE 4.4N MAX EXTRACTION FORCE 0.3N MIN	
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 OR LOOSENESS OF PARTS.	
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1μs ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5 TO 35 → 85 → 5 TO 35 °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
REMARKS					
NOTE 1: INCLUDING THE TEMPERATURE RISE BY CURRENT					
NOTE 2: NO CONDENSING					
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
1	DIS-H-008540	MI, SAKIMURA	HK, UMEHARA	14.02.26	
Unless otherwise specified, refer to IEC 60512.					
		APPROVED	TS, SAKATA	09.11.17	
		CHECKED	TS, FUKUSHIMA	09.11.17	
		DESIGNED	TH, YOSHI ZAWA	09.11.16	
		DRAWN	TH, YOSHI ZAWA	09.11.16	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-081092-01	
		SPECIFICATION SHEET		PART NO.	
		HIROSE ELECTRIC CO., LTD.		CODE NO.	
				CL543-0607-6-04	
				DF11-30SCFA (04)	
				 1/1	