


APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +85 °C (NOTE1) 	STORAGE TEMPERATURE RANGE	-10°C TO +60 °C (NOTE2)
	OPERATING HUMIDITY RANGE	40% TO + 80%	STORAGE HUMIDITY RANGE	40% TO + 70% (NOTE2)
	VOLTAGE	100 V AC	APPLICABLE CABLE	UL1061 AWG26
	CURRENT	1 A		

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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#### 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

CONTACT INSERTION AND EXTRACTION FORCES	$0.5 \pm 0.002$ mm BY STEEL GAUGE.	INSERTION FORCE: 4.4 N MAX. EXTRACTION FORCE: 0.3 N 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 10μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SHOCK	490 m/s <sup>2</sup> 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 INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55±3→5TO35→+85±2→5TO35 °C TIME 30 → 5 → 30 → 5 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-

#### REMARKS

NOTE1: INCLUDING THE TEMPERATURE RISE BY CURRENT.

NOTE2: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.



Unless otherwise specified, refer to IEC 60512.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	1	DIS-H-008540	MI. SAKIMURA	HK. UMEHARA	14.02.26	
				APPROVED	TY. OMA	06.03.13
				CHECKED	HK. UMEHARA	06.03.10
				DESIGNED	NS. HIROSE	06.03.08
				DRAWN	AK. MIURA	06.02.22

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO.

ELC4-071615-01

	SPECIFICATION SHEET	PART NO.	DF11-*DS-2R26 (05)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543	 1/1