


APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40°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	APPLICABLE CONNECTOR	DF11-*DS-2C
	CURRENT	AWG24 : 2A AWG26 : 2A AWG28 : 1A	APPLICABLE CABLE	AWG24~28

## SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	100mA (DC OR 1000 Hz).	30mΩ MAX.	X	-

<b>MECHANICAL CHARACTERISTICS</b>				
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
CONTACT INSERTION AND EXTRACTION FORCE	□0.5±0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4N MAX EXTRACTION FORCE 0.3N MIN	X	-
LANCE STRENGTH	MEASURE MAX VALUE UNDER THE FOLLOWING METHOD: APPLY WIRE TENSILE STRENGTH AT THE SPEED OF MAX 30mm/min WITH CONNECTOR FIXED, UNTIL CONTACT OR CRIMP CASE BREAK DOWN.	11.7N MIN	X	-
CLIMP TENSILE STRENGTH	MEASURE MAX, VALUE UNDER THE FOLLOWING METHOD: APPLY WIRE TENSILE STRENGTH TO CAULKING AREA AXIALLY UNTIL WIRE BECOME LOOSEN OR BREAKDOWN.	AWG24 35N MIN (11 CORES / 0.16 mm) AWG26 24N MIN ( 7 CORES / 0.16 mm) AWG28 16N MIN ( 7 CORES / 0.127 mm)	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 OR LOOSENESS OF PARTS.	X	-
SHOCK	490 m/s <sup>2</sup> 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.	X	-



<b>ENVIRONMENTAL CHARACTERISTICS</b>				
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.	X	-
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.	X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48h.	①CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X	-
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96h	①CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X	-

**REMARKS**  
 NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT  
 NOTE 2:NO CONDENSING.  
 NOTE 3: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
 1	DIS-H-008540	MI. SAKIMURA	HK. UMEHARA	14. 02. 26

Unless otherwise specifid , refer to IEC 60512.	APPROVED	TS. SAKATA	08. 01. 11
	CHECKED	HK. UMEHARA	08. 01. 11
	DESIGNED	TT. OHSAKO	08. 01. 10
	DRAWN	TT. OHSAKO	08. 01. 10

Note QT:Qualification Test AT:Assurance Test X:Applicable Test      DRAWING NO.      ELC4-080087-02

	SPECIFICATION SHEET	PART NO.	DF11-2428SCFA (04)		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543-0550-0-04		1/1