

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-30°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C
	OPERATING HUMIDITY RANGE	40% TO + 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO + 70% (NOTE 2)
	VOLTAGE	250V AC	APPLICABLE CONNECTOR	DF3-*S-2C
	CURRENT	AWG22 : 3A	APPLICABLE CABLE	UL1061, AWG22

### 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>				
CONTACT INSERTION AND EXTRACTION FORCE	□0.5±0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4N MAX EXTRACTION FORCE 0.3N MIN	X	-
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ 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 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	-

**REMARKS**  
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT  
NOTE 2:NO CONDENSING.

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Unless otherwise specified, refer to JIS C 5402.			APPROVED	TS. SAKATA 10.02.12
			CHECKED	TS. FUKUSHIMA 10.02.12
			DESIGNED	TH. YOSHI ZAWA 10.02.12
			DRAWN	YK. NAKATSU 10.02.12

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

DRAWING NO. **ELC4-162445-01**

<b>HRS</b>	<b>SPECIFICATION SHEET</b>	PART NO.	DF3-22SC		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543-0236-6-00		1/1