

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85°C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60°C
	VOLTAGE	80 V AC	APPLICABLE CONNECTOR	DF24 * - * DS-0.9C
	CURRENT (NOTES 1, 2)	0.3 A	APPLICABLE CABLE	AWG 36
			INSULATION DIAMETER	φ0.4 mm MAX

### 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 MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000 Hz).	30 mΩMAX.	X	-
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#### MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTION.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
CONTACT INSERTION AND EXTRACTION FORCES	□0.15 mm BY STEEL GAUGE.	① INSERTION FORCE :2.0 N MAX. ② EXTRACTION FORCE:0.12 N MIN.	X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	X	-
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
CRIMP TENSILE STRENGTH	CONTACT IS CLIMPED ONLY WIRE.	#AWG36 : 3.0 N MIN.	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 -55→15 TO 35→+85→15 TO 35°C TIME 30→ 2 TO 3 → 30→ 2 TO 3min UNDER 5 CYCLES.		X	-
CORROSION, SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48h.	NO HEAVY CORROSION	X	-
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96 h. (TEST STANDARD: JIS-C-0090)		X	-

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0				

REMARKS NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE 2: TO REQUIRE THE CURRENT LOCALLY EXCEEDING RATING,EVALUATION IS REQUIRED SEPARATELY. Unless otherwise specified, refer to JIS C 5402.	APPROVED	TY.OMA	05.09.01
	CHECKED	HK.UMEHARA	05.09.01
	DESIGNED	TS.KUMAZAWA	05.08.31
	DRAWN	FK.MATSUKI	05.08.31

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-303434-01
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF24-36SCFA
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL687-3003-7-00
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