

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C(NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	100V AC	APPLICABLE CONNECTOR	DF19-*S-1C DF19G-*S-1C(05)
	CURRENT	AWG36 : 0.5A	APPLICABLE CABLE	AWG 36
			JACKET DIAMETER	φ 0.27mm

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	□0.2mm BY STEEL GAUGE	INSERTION FORCE : 3 N MAX EXTRACTION FORCE : 0.2 N MIN	X	—
MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTION.	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 1μs.	X	—
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→5 TO 35→+85 →5 TO 35 °C TIME 30→2 TO 3 → 30 →2 TO 3 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		X	—
CORROSION, SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48h.	NO HEAVY CORROSION	X	—
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96h. (TEST STANDARD: JEIDA-39)		X	—

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
REMARKS		APPROVED	TY. OMA	07. 04. 06
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.		CHECKED	HK. UMEHARA	07. 04. 05
Unless otherwise specified, refer to JIS C 5402.		DESIGNED	TS. KUMAZAWA	07. 04. 05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWN	AK. MIURA	07. 04. 04
		DRAWING NO.	ELC4-164941-02	
HRS	SPECIFICATION SHEET	PART NO.	DF19A-36SCFA (41)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL685-0047-3-41	△ 1/1