

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 φ0.27mm	
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 m A (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 <sup>2</sup> 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
	1	DIS-H-001953	AK. MIURA	HK. UMEHARA	07. 04. 24
REMARKS			APPROVED	KJ. KATAYOSE	05. 01. 05
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.			CHECKED	TY. OMA	05. 01. 05
			DESIGNED	SZ. ONO	05. 01. 05
Unless otherwise specified, refer to JIS C 5402.			DRAWN	SZ. ONO	05. 01. 05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-164941-00
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	DF19A-36SCFA	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL685-0047-3-00	△ 1/1