

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	100 V AC	APPLICABLE CONNECTOR	DF19-*S-1C DF19G-*S-1C (05)
	CURRENT	AWG30: 0.9A AWG32: 0.8A	APPLICABLE CABLE	30 - 32 AWG

### 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	100 m A (DC OR 1000 Hz).	30 mΩ MAX.	X	-
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#### MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCES	<input type="checkbox"/> 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.			
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)			

#### OTHERS

CRIMP TENSILE STRENGTH		① #30AWG : 8 N MIN ② #32AWG : 5 N MIN	X	-
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COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.  Unless otherwise specified, refer to JIS C 5402.	APPROVED	TY.OMA	06.05.19
	CHECKED	HK.UMEHARA	06.05.18
	DESIGNED	AH.MIYAZAKI	06.05.18
	DRAWN	AH.MIYAZAKI	06.05.18

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-164752-01
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF19A-3032SCFA
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL685-0046-0-00