	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO 85 °C(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60 °C
	VOLTAGE	500 V AC	APPLICABLE CONNECTORS	DF5 (A) −*S−5C (**) DF5A−*DS−5C (**)
	CURRENT (NOTE 2)	AWG18 : 8A MAX AWG20 : 6A MAX AWG22 : 5A MAX	OPERATING HUMIDITY RANGE	UL1007:AWG18～22

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	×	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	□1.14±0.002 BY STEEL GAUGE.	INSERTION FORCE 4.5 N MAX. EXTRACTION FORCE 0.3 N MIN.	×	—
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75mm, − m/s² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10μs. ② CONTACT RESISTANCE: 30 mΩ MAX.	×	—
SHOCK	490 m/s² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →5 TO 35→85 →5 TO 35 °C TIME 30→ 5 MAX → 30 → 5 MAX -min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:1000MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:500MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—

REMARKS
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT
NOTE2: RATED CURRENT CONFORMS TO APPLICABLE CONNECTOR

Unless otherwise specified, refer to MIL-STD-1344.

DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
I.DENPOUYA 00.12.20	H.Uchara 00.12.21	C.Hamami '00.12.28	K.Katayose '01.1.5	

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF5−1822SCF	
CODE NO.(OLD) CL	DRAWING NO. ELC4−160129	PEART NO CL676−0001−1	1/1

FORM No.231-1

TO