

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85°C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60°C (NOTE3)			
	OPERATING HUMIDITY RANGE	40% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)			
	VOLTAGE	500 V AC/DC	APPLICABLE CONNECTOR	DF5A-3P-5DSA			
	CURRENT	AWG18 : 8.0 A AWG20 : 6.0 A AWG22 : 5.0 A	INSULATION DIAMETER	DF5-1822SCF(UL1007) AWG18 TO 22: φ1.5~2.2 mm DF5A-1822SCF(UL1015) AWG18 TO 22: φ2.2~2.9 mm			
			APPLICABLE CONTACT	DF5(A)-1822SCF			
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							
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.	X	—	
VOLTAGE PROOF		1500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	—	
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		30 TIMES INSERTION AND EXTRACTION.		NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—	
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, 2hr FOR 3 DIRECTION.		NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—	
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			X	—	
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)		① INSULATION RESISTANCE: 500MΩ MIN ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 →5~35→ 85 →5~35 °C TIME 30 →5 → 30 → 5 min UNDER 5 CYCLES.		① INSULATION RESISTANCE: 1000MΩ MIN ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—	
REMARKS							
NOTE 1: INCLUDE THE TEMPERATURE RISE BY CURRENT.							
NOTE 2: NO CONDENSING							
NOTE 3: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD.							
AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION							
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
⚠							
UNLESS OTHERWISE SPECIFIED , REFER TO JIS C 5402.			APPROVED	KI. AKIYAMA	12. 07. 04		
			CHECKED	HK. UMEHARA	12. 07. 04		
			DESIGNED	TS. KUMAZAWA	12. 07. 03		
			DRAWN	KY. SHIMAKURA	12. 07. 03		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-160135-00		
HRS	SPECIFICATION SHEET		PART NO.	DF5A-3S-5C			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL676-0008-0-00	⚠	1/1	