

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-30°C TO 85°C (NOTE 1)		STORAGE TEMPERATURE RANGE	-10°C TO 60°C (NOTE 2)		
	OPERATING HUMIDITY RANGE	40% TO 80%		STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 2)		
	VOLTAGE	250V AC		UL • CSA RATING	VOLTAGE	30V AC	
	CURRENT	AWG 22 TO 26 : 2A AWG 28 : 1A AWG 30 : 0.5A			CURRENT	AWG 22 : 2A AWG 24 TO 28 : 1A AWG 30 : 0.5A	
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		100mA (DC OR 1000 Hz).		30mΩ MAX.		X	—
INSULATION RESISTANCE		500V DC.		1000MΩ MIN.		X	—
VOLTAGE PROOF		650V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X	—
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30mΩ 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→5 TO 15 →30 →5 TO 15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
RESISTANCE TO SOLDERING HEAT		【RECOMMENDED TEMPERATURE PROFILE】 SOLDER TEMPERATURE, 260 ± 3 °C, FOR IMMERSION ,DURATION ,10s. 【RECOMMENDED MANUAL SOLDERING CONDITION】 SOLDERING IRON TEMPERATURE: 290 ± 10 °C FOR WITHIN 3s. NO STRENGTH ON CONTACT. NO STRENGTH ON CONTACT.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245°C FOR IN IMMERSION , DURATION, 10 s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.		X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
△							
REMARKS				APPROVED	TS. SAKATA	08.12.17	
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.				CHECKED	TS. KUMAZAWA	08.12.17	
NOTE 2: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 INTERM STORAGE DURING TRANSPORTATION.				DESIGNED	KT. ISHII	08.12.15	
Unless otherwise specifid , refer to JIS C 5402.				DRAWN	KT. ISHII	08.12.15	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-080251-01		
HRS	SPECIFICATION SHEET		PART NO.	DF11-18DS-2DSA (05)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543-0559-5-05		△	1/1