

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35°C T0 + 85°C (NOTE 1)		STORAGE TEMPERATURE RANGE	-10°C T0 + 60°C
	VOLTAGE	100V AC		APPLICABLE CONNECTOR	DF20A-*DS-1C
	CURRENT	AWG28: 1A, AWG30:0.9A, AWG32:0.7A		APPLAICABLE CABLE	—
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS		
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.			
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		30mΩ MAX.	X —
INSULATION		100V DC.		500MΩ MIN.	X —
VOLTAGE PROOF		300V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X —
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTION.		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. ② 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					
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: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ 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 48 h.		NO HEAVY CORROSION.	X —
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)			X —
RESISTANCE TO SOLDERING HEAT		1) AUTOMATIC SOLDERING (REFLOW) «REFLOW AREA» MAX 250°C WITHIN 10 sec. MIN 220°C WITHIN 60 sec. «PREHEATING AREA» 150 °C 60 TO 120 sec. PUT THROUGH IN REFLOW FLUACE TWICE. LEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. CONNECTOR TEMPERATURE TO BE AMBIENT FOR SECOND REFLOW. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :300°C, SOLDERING TIME :3sec. 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, 5 s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.	X —
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
Δ					
REMARKS					
NOTE 1:INCLUDING THE TEMPERATURE RISING BY CURRENT.					
Unless otherwise specifid , refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-164529-03	
HRS		SPECIFICATION SHEET		PART NO. DF20F-*DP-1V (55)	
HIROSE ELECTRIC CO., LTD.		CODE NO.		CL686	
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