

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	1	RE-H-03367	M.K	C.H	99.11.05	△					
△						△					
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)				STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C				
	VOLTAGE	100 V AC				APPLICABLE CONTACT	△DF20B-2830SCFA				
	CURRENT	AWG28:1 A				APPLICABLE CONNECTOR	DF20*- *DP-1*				
		AWG30:0.5A				APPLICABLE CABLE	28-30AWG JACKET DIAMETER 0.6MAX				
SPECIFICATIONS											
ITEM		TEST METHOD				REQUIREMENTS				QT	AT
CONSTRUCTION											
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				○	○
MARKING		CONFIRMED VISUALLY.								○	○
ELECTRICAL CHARACTERISTICS											
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).				mΩ MAX.				-	-
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX. mA(DC OR 1000 Hz).								-	-
INSULATION RESISTANCE		- V DC.				MIN.				-	-
VOLTAGE PROOF		- V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				-	-
MECHANICAL CHARACTERISTICS											
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.				INSERTION FORCE : N MAX. EXTRACTION FORCE : N MIN.				-	-
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.				-	-
MECHANICAL OPERATION		TIMES INSERTION AND EXTRACTION.				① CONTACT RESISTANCE: mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				-	-
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs				○	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				② CONTACT RESISTANCE: - mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				○	-
ENVIRONMENTAL CHARACTERISTICS											
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5~35 → +85 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.				① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS				○	-
DAMP HEAT(STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 ~95 %, 96 h.								○	-
CORROSION, SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h				① CONTACT RESISTANCE: - mΩ MAX. ② NO HEAVY CORROSION.				○	-
HYDROGEN SULPHIDE		EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-38)				① CONTACT RESISTANCE: mΩ MAX. ② NO HEAVY CORROSION.				-	-
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)				① CONTACT RESISTANCE: - mΩ MAX. ② NO HEAVY CORROSION.				○	-
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, °C, FOR IMMERSION DURATION, s.				NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.				-	-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.				SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.				-	-
REMARKS											
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.						DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
						H.UMEHARA	H.UMEHARA	M.NAKAMURA	K.KATAYOSE		
						98.11.13	98.11.13	98.11.16	98.11.16		
Unless otherwise specified, refer to MIL-STD-1344.											
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test											
HRS HIROSE ELECTRIC CO., LTD.						SPECIFICATION SHEET					
						PART NO. DF20A-*DS-1C					
CODE NO. (OLD)				DRAWING NO				PART NO.			
CL				ELC4-162771				CL686			
								1			