

APPLICABLE STANDARD								
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C				
	VOLTAGE	50V AC	APPLICABLE CONNECTOR	DF17# (1.0H) -*DP-0.5V (**)				
	CURRENT	0.3A						
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		100m A (DC OR 1000 Hz).		60mΩ MAX.	X	—		
INSULATION RESISTANCE		100V DC.		500MΩ MIN.	X	—		
VOLTAGE PROOF		150V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	—		
MECHANICAL CHARACTERISTICS								
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		SIGNAL	INSERTION FORCE (N)MAX	WITHDRAWAL FORCE (N)MIN	X	—
				26	26.0	2.6		
				30	30.0	3.0		
				60	60.0	6.0		
				70	70.0	7.0		
				80	80.0	8.0		
MECHANICAL OPERATION		50TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 60mΩ 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.		① NO ELECTRICAL DISCONTINUITY OF 1μs. 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→10 TO 15→ 30→10TO15min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 60mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ 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: 60mΩ MAX. ② INSULATION RESISTANCE: 250 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—	
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.		X	—	
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JEIDA-39)		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.		X	—	
HEAT RESISTANCE OF SOLDERING		[RECOMMENDED TEMPERATURE PROFILE] 《SOLDERING AREA》 MAX250°C, 220°C FOR 60 SECONDS MAX. 《PREHEATING AREA》 150 TO 180°C 90 ~ 120 SECONDS. MAXIMUM TWICE ACTION IS ALLOWED UNDER THE SAME CONDITION. [RECOMMENDED MANUAL SOLDELING CONDITION] SOLDERING IRON TEMPERATURE 350°C SOLDERING TIME : WITHIN 3 SECONDS.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	—	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE		
								
	REMARKS			APPROVED	MO.NAKAMURA	05.12.27		
	NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT.			CHECKED	TS.MIYAZAKI	05.12.22		
				DESIGNED	YH.MICHIDA	05.12.21		
UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 5402.				DRAWN	HK.MURAKAMI	05.12.21		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-162763-08		
SPECIFICATION SHEET		PART NO.		DF17B (3.0H) -*DS-0.5V (57)				
HIROSE ELECTRIC CO., LTD.		CODE NO.		CL683				
				 1/1				