

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.		<table><tr><td rowspan="6">SIGNAL</td><td>INSERTION FORCE (N)MAX</td><td>WITHDRAWAL FORCE (N)MIN</td><td rowspan="6">X</td><td rowspan="6">—</td></tr><tr><td>26</td><td>26.0</td><td>2.6</td></tr><tr><td>30</td><td>30.0</td><td>3.0</td></tr><tr><td>60</td><td>60.0</td><td>6.0</td></tr><tr><td>70</td><td>70.0</td><td>7.0</td></tr><tr><td>80</td><td>80.0</td><td>8.0</td></tr></table>	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
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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																		
				DRAWN	HK.MURAKAMI	05.12.21																		
UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 5402.																								
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																		