

APPLICABLE STANDARD																									
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C																					
	VOLTAGE	50V AC	APPLICABLE CONNECTOR	DF17# (3.0H) -*DS-0.5V (57)																					
	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><th rowspan="2">SIGNAL</th><th>INSERTION FORCE</th><th>WITHDRAWAL FORCE</th></tr><tr><th>(N)MAX</th><th>(N)MIN</th></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	WITHDRAWAL FORCE	(N)MAX	(N)MIN	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	X	—
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MECHANICAL OPERATION		50 TIMES 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 NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT. UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 5402.			APPROVED	MO.NAKAMURA	05.12.13																				
			CHECKED	TS.MIYAZAKI	05.12.13																				
			DESIGNED	YH.MICHIDA	05.12.12																				
			DRAWN	HK.MURAKAMI	05.12.12																				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-162767-07																				
SPECIFICATION SHEET			PART NO.	DF17B (1.0H) -*DP-0.5V (57)																					
HIROSE ELECTRIC CO., LTD.			CODE NO.	CL683	 1/1																				