

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 border="1"> <thead> <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> </thead> <tbody> <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> </tbody> </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→10 TO 15min 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 SOLDERING 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																				
0																									
REMARKS			APPROVED	MO. NAKAMURA	05.12.13																				
NOTE1: INCLUDING THE TEMPERATURE RISE BY CURRENT.			CHECKED	TS. MIYAZAKI	05.12.13																				
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.			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																				