

APPLICABLE STANDARD		SPECIFICATIONS																											
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#(**)-*DP-0.5V(57)																								
	CURRENT	0.3A																											
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	100mA (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" style="margin-left: auto; margin-right: auto;"> <tr> <th>SIGNAL</th> <th>INSERTION FORCE (NMAX)</th> <th>WITHDRAWAL FORCE (NMIN)</th> </tr> <tr> <td>20</td> <td>200</td> <td>20</td> </tr> <tr> <td>30</td> <td>300</td> <td>30</td> </tr> <tr> <td>40</td> <td>400</td> <td>40</td> </tr> <tr> <td>50</td> <td>500</td> <td>50</td> </tr> <tr> <td>60</td> <td>600</td> <td>60</td> </tr> <tr> <td>70</td> <td>700</td> <td>70</td> </tr> <tr> <td>80</td> <td>800</td> <td>80</td> </tr> </table>	SIGNAL	INSERTION FORCE (NMAX)	WITHDRAWAL FORCE (NMIN)	20	200	20	30	300	30	40	400	40	50	500	50	60	600	60	70	700	70	80	800	80	X	—
				SIGNAL	INSERTION FORCE (NMAX)	WITHDRAWAL FORCE (NMIN)																							
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80	800	80																											
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 → 10 TO 15 min 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 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																								
REMARKS NOTE1: INCLUDING THE TEMPERATURE RISE BY CURRENT. UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 0806.				APPROVED	MO. NAKAMURA	05.05.20																							
				CHECKED	TS. MIYAZAKI	05.05.19																							
				DESIGNED	YH. MICHIDA	05.05.19																							
				DRAWN	YH. MICHIDA	05.05.19																							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-162132-06																								
	SPECIFICATION SHEET		PART NO.	DF17A(4.0)-*DS-0.5V(57)																									
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL683		1/1																							