

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# (**)-*DP-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>SIGNAL</th> <th>INSERTION FORCE (N)MAX</th> <th>WITHDRAWAL FORCE (N)MIN</th> </tr> </thead> <tbody> <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> </tbody> </table>	SIGNAL	INSERTION FORCE (N)MAX	WITHDRAWAL FORCE (N)MIN	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 (N)MAX	WITHDRAWAL FORCE (N)MIN																											
20	200	20																											
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50	500	50																											
60	600	60																											
70	700	70																											
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 <sup>2</sup> 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 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	05.05.20																								
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT.			CHECKED	TS.MIYAZAKI	05.05.19																								
UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 0806.			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																								