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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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><td rowspan="2">PIN COUNT</td><td>INSERTION FORCE</td><td>WITHDRAWAL FORCE</td><td rowspan="2">X</td><td rowspan="2">—</td></tr><tr><td>(N)MAX</td><td>(N)MIN</td></tr><tr><td>26</td><td>26.6</td><td>2.6</td><td></td><td></td></tr><tr><td>30</td><td>30.0</td><td>3.0</td><td></td><td></td></tr><tr><td>60</td><td>60.0</td><td>6.0</td><td></td><td></td></tr><tr><td>70</td><td>70.0</td><td>7.0</td><td></td><td></td></tr><tr><td>80</td><td>80.0</td><td>8.0</td><td></td><td></td></tr></table>	PIN COUNT	INSERTION FORCE	WITHDRAWAL FORCE	X	—	(N)MAX	(N)MIN	26	26.6	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 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																														
	1	DIS-H-00003088	SH. HOSODA	TS. MIYAZAKI	17. 09. 29																														
REMARKS			APPROVED	MO. NAKAMURA	05. 04. 20																														
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT.			CHECKED	TS. MIYAZAKI	05. 04. 19																														
UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 0806.			DESIGNED	YH. MICHIDA	05. 04. 19																														
			DRAWN	YH. MICHIDA	05. 04. 19																														
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-162765-06																														
	SPECIFICATION SHEET		PART NO.	DF17 (1.0H) -*DP-0.5V (57)																															
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL683	 1/1																														