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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 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→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.		APPROVED	MO.NAKAMURA 05.12.13																				
	UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 5402.		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																				