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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 (NOTES 2)																											
	VOLTAGE	50V AC	APPLICABLE CONNECTOR	DF17# (**)-*DS-0.5V (**)																											
	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>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	WITHDRAWAL FORCE	(N)MAX	(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	WITHDRAWAL FORCE																													
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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 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			APPROVED	MO.NAKAMURA	05.11.09																										
NOTES1:INCLUDING THE TEMPERATURE RISE BY CURRENT.			CHECKED	TS.MIYAZAKI	05.11.08																										
NOTES2:STORAGEIS DEFINED AS LONG-TERM STORAGE OF UNUSED PRODUCTS. APPLY OPERATION TEMPERATURE RANGE TO PRODUCTS MOUNTED ON PCB WITHOUT POWER SUPPLY.			DESIGNED	YH.MICHIDA	05.11.08																										
UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 0806.			DRAWN	HK.MURAKAMI	05.11.08																										
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-162141-07																											
	SPECIFICATION SHEET		PART NO.	DF17B (4. 0) -*DP-0.5V (57)																											
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL683	1/1																										