

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

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE		-10°C TO + 60°C (NOTE2)																									
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)		APPLICABLE CONNECTOR																									
	VOLTAGE	50V AC		DF17# (**)-*DP-0.5V (**)																									
	CURRENT	0.3A																											
<b>SPECIFICATIONS</b>																													
ITEM	TEST METHOD	REQUIREMENTS		QT	AT																								
<b>CONSTRUCTION</b>			ACCORDING TO DRAWING.																										
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			X	X																								
MARKING	CONFIRMED VISUALLY.			X	X																								
<b>ELECTRIC CHARACTERISTICS</b>																													
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	-																								
<b>MECHANICAL CHARACTERISTICS</b>																													
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>20.0</td><td>2.0</td></tr> <tr><td>30</td><td>30.0</td><td>3.0</td></tr> <tr><td>40</td><td>40.0</td><td>4.0</td></tr> <tr><td>50</td><td>50.0</td><td>5.0</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 (N)MAX	WITHDRAWAL FORCE (N)MIN	20	20.0	2.0	30	30.0	3.0	40	40.0	4.0	50	50.0	5.0	60	60.0	6.0	70	70.0	7.0	80	80.0	8.0	X	-
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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 <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	-																								
<b>ENVIRONMENTAL CHARACTERISTICS</b>																													
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 NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT. NOTE2:STORAGEIS DEFINED AS LONG-TERM STORAGE OF UNUSED PRODUCTS. APPLY OPERATION TEMPERATURE RANGE TO PRODUCTS MOUNTED ON PCB WITHOUT POWER SUPPLY. UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 5402.	Note QT:Qualification Test AT:Assurance Test X:Applicable Test	APPROVED	MO.NAKAMURA	05.11.09																									
		CHECKED	TS.MIYAZAKI	05.11.08																									
		DESIGNED	YH.MICHIDA	05.11.07																									
		DRAWN	HK.MURAKAMI	05.11.07																									
DRAWING NO.		ELC4-162133-07																											
SPECIFICATION SHEET		PART NO.	DF17B(4. 0)-*DS-0.5V(57)																										
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL683																										
					△ 1/1																								