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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 (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C									
	VOLTAGE	50V AC	APPLICABLE CONNECTOR	DF17# (**)-*DS-0.5V (**)									
	CURRENT	0.3A											
<b>SPECIFICATIONS</b>													
ITEM	TEST METHOD	REQUIREMENTS	QT	AT									
<b>CONSTRUCTION</b>													
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X									
MARKING	CONFIRMED VISUALLY.		X	X									
<b>ELECTRIC CHARACTERISTICS</b>													
CONTACT RESISTANCE	100mA (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>26</td> <td>26.0</td> <td>2.6</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	26	26.0	2.6	80	80.0	8.0	X	—
SIGNAL	INSERTION FORCE (N)MAX	WITHDRAWAL FORCE (N)MIN											
26	26.0	2.6											
80	80.0	8.0											
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 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	05.12.17									
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT.		CHECKED	TS. MIYAZAKI	05.12.17									
UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 5402.		DESIGNED	YH. MICHIDA	05.12.16									
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWN	HK. MURAKAMI	05.12.16									
		DRAWING NO.	ELC4-163276-07										
SPECIFICATION SHEET		PART NO.	DF17B (2. 5) -*DP-0. 5V (57)										
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL683	△ 1/1									