

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

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE										
OPERATING TEMPERATURE RANGE	-35°C T0 +85°C (NOTE 1)	TEMPERATURE RANGE	-10°C T0 + 60°C									
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	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 -									
MECHANICAL CHARACTERISTICS												
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		X -									
		<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	
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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 -									
ENVIRONMENTAL CHARACTERISTICS												
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5 TO 35 → 85 → 5 TO 35°C TIME 30→10 TO 15 → 30→10 TO 15min 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 SOLDERING CONDITION ) SOLDERING IRON TEMPERATURE 350°C SOLDERING TIME : WITHIN 3 SECONDS.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X -									
REMARKS	REVISIONS	DESIGNED	CHECKED									
Δ												
NOTES: INCLUDING THE TEMPERATURE RISE BY CURRENT.												
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.		DRAWING NO. ELG4-163276-07										
Note QT:Qualification Test AT:Assurance Test X:Applicable Test												
SPECIFICATION SHEET		PART NO.	DF17B(2.5)-*DP-0.5V(57)									
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL683									
			Δ 1/1									
		APPROVED	MO. NAKAMURA 05.12.17									
		CHECKED	TS. MIYAZAKI 05.12.17									
		DESIGNED	YH. MICHIDA 05.12.16									
		DRAWN	HK. MURAKAMI 05.12.16									