

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# (1.0H) -*DP-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 —
		SIGNAL FORCE (N)MAX	WITHDRAWAL FORCE (N)MIN
		26	2.6
		30	3.0
		60	6.0
		70	7.0
		80	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 2h, 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 SOLDERING 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.			
UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 5402.		DRAWING NO. ELG4-162763-08	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			
SPECIFICATION SHEET		PART NO.	DF17B (3.0H) -*DS-0.5V (57)
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL683
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