

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

APPLICABLE STANDARD		-35°C TO 85°C (NOTE 1)		STORAGE TEMPERATURE RANGE	-10°C TO 60°C	
RATING	OPERATING TEMPERATURE RANGE			APPLICABLE CONNECTOR	DF17# (**)-60DS-0.5V(57)	
	VOLTAGE	50V AC				
	CURRENT	0.3A				
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS	QT	AT
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X X
GENERAL EXAMINATION	CONFIRMED VISUALLY.				X X	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.	① INSERTION FORCE :60.0 N MAX ② WITHDRAWAL FORCE :6.0 N MIN			X	-
MECHANICAL OPERATION	50TIMES INSERTIONS AND WITHDRAWALS.	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 → 10 TO 15 min 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 NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT. UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 5402.	△	APPROVED	KH. IKEDA	09.06.12		
		CHECKED	AR. TAKAHASHI	09.06.11		
		DESIGNED	TY. YAMASAKI	09.06.09		
		DRAWN	TY. YAMASAKI	09.06.09		
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-161740-03			
SPECIFICATION SHEET		PART NO.	DF17B (2. 0)-60DP-0.5V (58)			
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL683-0106-8-58	△	1/1	