



**THE DATASHEET OF
DF1B-10DP-2.5DSA(01)**



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

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C				
	VOLTAGE	250 V AC			APPLICABLE CONTACT	—				
	CURRENT	3 A			APPLICABLE CONNECTOR	DF1B-*DS-2.5RC				
					APPLICABLE CABLE	—				
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		100 mA (DC OR 1000 Hz).			30 mΩ MAX.				x	—
INSULATION RESISTANCE		500 VDC.			1000 MΩ MIN.				x	—
VOLTAGE PROOF		650V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				x	—
MECHANICAL CHARACTERISTICS										
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				x	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.				x	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				x	—
ENVIRONMENTAL CHARACTERISTICS										
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5~35 →+85→ 5~35 °C TIME 30→10~15→ 30 →10~15 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ 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 ~ 95 %, 96 h.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				x	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 250°C, FOR IMMERSION, DURATION, 10 s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.				x	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 230±3 °C FOR INSERTION DURATION, 3 s.			SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.				x	—
REMARKS										
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
					<i>M. Kurumadachi</i> 03.03.14	<i>T. Kurumazumi</i> 03.03.14	<i>T. Niijyaki</i> 03.03.14	<i>T. Niijyaki</i> 03.03.14		
Unless otherwise specified, refer to MIL-STD-1344.										
Note QT:Qualification Test AT:Assurance Test X:Applicable Test										
TO		HIROSE ELECTRIC CO., LTD.			SPECIFICATION SHEET				PART NO.	
									DF1B- * DP-2.5DSA (01)	
CODE NO.(OLD)		DRAWING NO.			PART NO.				1/1	
CL		ELC4-071800-01			CL541					

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