



**THE DATASHEET OF  
DF1B-16DS-2.5RC**



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Δ	Δ	REVISIONS	BY	CHKD	DATE	Δ	Δ	REVISIONS	BY	CHKD	DATE

APPLICABLE STANDARD		CONTACT No. / ~ *		AC 250 V	APPLICABLE CABLES	
RATING	VOLTAGE	DC	V			
	CURRENT	CONTACT No. / ~ *	3 A	IMPEDANCE FREQUENCY RANGE	Ω (0 ~ Hz)	
	POWER			OPERATING TEMPERATURE RANGE	- 35 °C ~ +85 °C (Notes:1)	
	SPECIALTY					

### SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT.	AT
1	DESIGN-MATERIAL-FINISH	ADC Applicable std. and <del>DC</del> 3-160092-02		-	-	-	○	○
2	MARKING			-	-	-	○	○
3	INSULATION RESISTANCE	Must be over standard value at DC 500V.	MIL-STD-1344	1000	-	MΩ	○	-
4	CONTACT RESISTANCE	The voltage drop must be under the std. value at DC 0.1 A.	MIL-STD-1344	-	30	mΩ	○	-
	UNIT CONTACT CONTACT	The voltage drop must be under the std. value at DC A.		-	-	mΩ	-	-
5	DIELECTRIC WITHSTANDING VOLTAGE	Must withstand AC 650V for one minute.	MIL-STD-1344	-	-	-	○	-
6	LOW LEVEL CIRCUIT	The Contact Resistance must be under the std. value at DC 20mV less and mA.		-	-	mΩ	-	-
7	DRY CIRCUIT	Must have conductivity in alternate current at DC μV.		-	-	-	-	-
8	CONTACT ENGAGEMENT AND SEPARATION FORCES	Must be suitable for the std. gauge size value at applicable gauge.		-	-	gf	-	-
	MATING AND UNMATING FORCES	Must be suitable for the std. value.		-	-	kof	-	-
9	HUMIDITY	Insulation resistance must be over the std. value at 40±2% 90-95% 96 hours. at high humidity after high humidity	MIL-STD-1344	1000	-	MΩ	○	-
10	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range 10-55 Hz, amplitude 0.75mm, -G at 2 hours for 3 directions.	MIL-STD-1344	-	-	-	○	-
11	SHOCK	Must have no damage, crack and looseness of parts after 3 cycles at 490m/s <sup>2</sup> in 3 directions.	MIL-STD-1344	-	-	-	○	-
12	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -55 ~ +85°C 5 cycles.	MIL-STD-1344	-	-	-	○	-
13	DURABILITY UNIT CONTACT CONTACT	Must be less than the std. value after 30 insertion and extraction cycles at the condition described in above item No.4.	MIL-STD-1344	-	30	mΩ	○	-
14	SALT SPRAY (CORROSION).	Must not have heavy corrosion after salt water spray for hours.		-	-	-	-	-
15	H <sub>2</sub> S-EXPOSURE	Must not have heavy corrosion after ppm for hours.		-	-	-	-	-
16	SO <sub>2</sub> -EXPOSURE	Must not have heavy corrosion after ppm for hours.		-	-	-	-	-

Notes:1  
This temperature includes a rise by heat's generation of connector when electricity passes.

REMARKS	APPROVED	<i>H. Yamamoto</i>	94.3.25	ISSUED BY <b>HR5</b> HIROSE ELECTRIC CO., LTD.
	REVIEWED			
	CHECKED	<i>J. Oma</i>	94.3.25	
	DESIGNED	<i>M. Gotoh</i>	94.3.24	
	DRAWN	<i>M. Gotoh</i>	94.3.24	
DRAWING No.		PART No.		
SLC4-160092-02		DF1B-X-DS-2.5RC		
SPECIFICATION SHEET		CODE No.		
		0600 4		
		CL541-0650-2		

TO



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