

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

TO

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 CONNECTOR	DF1B-*S-2.5R
CURRENT	3 A		

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
------	-------------	--------------	----	----

CONSTRUCTION VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING. X X

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 500 V DC. 1000 MΩ MIN. X —

VOLTAGE PROOF 650 V AC FOR 1 min. NO FLASHOVER OR BREAKDOWN. X —

**MECHANICAL CHARACTERISTICS**

MECHANICAL OPERATION 30 TIMES INSERTIONS AND EXTRACTIONS. ① CONTACT RESISTANCE: 30 mΩ MAX. X —

VIBRATION FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. 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 1 μs. X —

② CONTACT RESISTANCE: 30 mΩ MAX.

③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.

**ENVIRONMENTAL CHARACTERISTICS**

RAPID CHANGE OF TEMPERATURE -55 → 5 TO 35 → +85 → 5 TO 35 °C ① CONTACT RESISTANCE: 30 mΩ MAX. X —

TEMPERATURE TIME 30 → 5 MAX → 30 → 5 MAX min ② INSULATION RESISTANCE: 1000 MΩ MIN.

UNDER 5 CYCLES. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.

DAMP HEAT (STEADY STATE) EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h. ① CONTACT RESISTANCE: 30 mΩ MAX. X —

② INSULATION RESISTANCE: 1000 MΩ MIN.

③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.

RESISTANCE TO SOLDERING HEAT 1) AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 5 sec. NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. X —

2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300 °C, SOLDERING TIME : 3 sec.

SOLDERABILITY SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR INSERTION DURATION, 5 s. SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD. X —

REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

CODE NO.(OLD)	DRAWING NO.	SPECIFICATION SHEET	PART NO.	PART NO.	RELEASED
CL	ELC4-303206-01	DF1BZ-*P-2.5DSA	CL541		1

