

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
Δ					Δ				
Δ					Δ				
Δ					Δ				

APPLICABLE STANDARD		
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)
	VOLTAGE	250 V AC
	CURRENT	3 A
	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	APPLICABLE CONNECTOR	DF1B-*S-2.5R

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	Q	T	A
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CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X	X
MARKING	CONFIRMED VISUALLY.		X	X	X

ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	X		
INSULATION RESISTANCE	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. 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 1 μs. 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 1 μs. ② CONTACT RESISTANCE: 30 mΩ MAX. ③ 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 → 5 MAX → 30 → 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 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: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X		
RESISTANCE TO SOLDERING HEAT	1) AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 5 sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300 °C, SOLDERING TIME : 3 sec. NO STRENGTH ON CONTACT.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X		
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.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		F. Matsuki	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
	Unless otherwise specified, refer to JIS C 5402.	04.03.25	04.03.25	04.03.25	04.03.25	
	Note QT:Qualification Test AT:Assurance Test X:Applicable Test					

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

