

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
△					△				
△					△				

<b>APPLICABLE STANDARD</b>		-30 °C TO 85 °C(NOTE 1)		STORAGE TEMPERATURE RANGE		-10°C TO 60 °C	
<b>RATING</b>		250 V AC		OPERATING HUMIDITY RANGE			
<b>CURRENT</b>		3 A		APPLICABLE CONNECTOR			

**SPECIFICATIONS**

**REQUIREMENTS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>		GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="checkbox"/>
MARKING		CONFIRMED VISUALLY.		<input type="checkbox"/>

<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	100mA (DC OR 1000 Hz).	30 mΩ MAX.		<input type="checkbox"/>
CONTACT RESISTANCE	20 mV MAX, mA(DC OR 1000 Hz).	mΩ MAX.		<input type="checkbox"/>
MILLIVOLT LEVEL METHOD.				<input type="checkbox"/>
INSULATION RESISTANCE	500V DC.	1000 MΩ MIN.		<input type="checkbox"/>
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASH OVER OR BREAKDOWN.		<input type="checkbox"/>

<b>MECHANICAL CHARACTERISTICS</b>				
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE	INSERTION FORCE N MAX.	<input type="checkbox"/>
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	EXTRACTION FORCE N MIN.	<input type="checkbox"/>
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.	INSERTION FORCE N MAX.	<input type="checkbox"/>
VIBRATION		FREQUENCY 10 TO 55 Hz. SINGLE AMPLITUDE 0.75mm, ... m/s <sup>2</sup> AT 2 h. FOR 3 DIRECTIONS.	EXTRACTION FORCE N MIN.	<input type="checkbox"/>
SHOCK		490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	CONTACT RESISTANCE: 30 mΩ MAX.	<input type="checkbox"/>
ENVIRONMENTAL CHARACTERISTICS			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS	<input type="checkbox"/>

TEMPERATURE	TEMPERATURE -55 →-5 TO 35 →85 →5 TO 35 °C	① CONTACT RESISTANCE: 30 mΩ MAX.		<input type="checkbox"/>
TEMPERATURE	30 →10 TO 15 →30 →10 TO 15 min UNDER 5 CYCLES.	② INSULATION RESISTANCE: 1000Ω MIN.		<input type="checkbox"/>
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C. 90 TO 95 %, 96 h.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		<input type="checkbox"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 60 mΩ MAX.		<input type="checkbox"/>
HYDROGEN SULPHIDE	EXPOSED IN -- PPM FOR -- h. (TEST STANDARD: JEIDA-39)	② NO HEAVY CORROSION.		<input type="checkbox"/>
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)	① CONTACT RESISTANCE: mΩ MAX.		<input type="checkbox"/>
SOLDERING HEAT	SOLDER TEMPERATURE: 260±5 °C FOR IMMERSION, DURATION: 10S	② NO HEAVY CORROSION		<input type="checkbox"/>
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE: 230±5°C FOR IMMERSION DURATION: 3S	① CONTACT RESISTANCE: 60 mΩ MAX.		<input type="checkbox"/>
REMARKS	NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT	② NO HEAVY CORROSION		<input type="checkbox"/>
Unless otherwise specified, refer to MIL-STD-1344.		③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		<input type="checkbox"/>

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT	S. Hara	M. Tanaka	K. Abeyama	K. Katayama	
	'99.5.28	99.5.31	'99.5.31	'99.5.31	

<b>HIROSE ELECTRIC CO., LTD.</b>		<b>SPECIFICATION SHEET</b>		<b>PART NO.</b>	
CODE NO (OLD)	DRAWING NO	ELCA-162396-01	CL543	DF3-*P-2DSA(01)	
QT	AT	1	1		