


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

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		Q	AT												
OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾	X	X														
VOLTAGE	200 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %	X	X														
CURRENT	3 A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾	X	X														
SPECIFICATIONS																			
ITEM	TEST METHOD	REQUIREMENTS		Q	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).	15 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		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 15 mΩ MAX.		X	-												
				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.															
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5mm, AT 2h FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs.		X	-												
SHOCK		490 ms ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-												
ENVIRONMENTAL CHARACTERISTICS																			
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 15 mΩ MAX.		X	-														
RAPID CHANGE OF TEMPERATURE	TEMPERATURE:-65→+15~+35→+125→+15+35°C TIME 30 → 10~15 → 30 → 10~15 min 5 CYCLES.	② INSULATION RESISTANCE: 1000 MΩ MIN.		X	-														
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.																	
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA 38)	① CONTACT RESISTANCE: 15 mΩ MAX.		X	-														
RESISTANCE TO SOLDERING HEAT	1) SOLDER BATH: SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, DURATION, 10±1s. 2) SOLDERING IRONS : 350 °C, FOR 3 s	② NO HEAVY CORROSION.		X	-														
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±3°C, FOR IMMERSION DURATION, 2 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	-														
		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.		X	-														
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE															
△																			
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. Unless otherwise specified, refer to MIL-STD-202.																			
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.		ELC4-152791-21															
 HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		A1-*PA-2. 54DSA (71)															
		PART NO.		CL619															
		CODE NO.		1/1															
		DESIGNED		<table border="1"> <tr> <td>APPROVED</td> <td>HS. OKAWA</td> <td>06.01.23</td> </tr> <tr> <td>CHECKED</td> <td>HS. OZAWA</td> <td>06.01.23</td> </tr> <tr> <td>DESIGNED</td> <td>K.Y. NAKAMURA</td> <td>06.01.23</td> </tr> <tr> <td>DRAWN</td> <td>K.Y. NAKAMURA</td> <td>06.01.23</td> </tr> </table>				APPROVED	HS. OKAWA	06.01.23	CHECKED	HS. OZAWA	06.01.23	DESIGNED	K.Y. NAKAMURA	06.01.23	DRAWN	K.Y. NAKAMURA	06.01.23
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