

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

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>			
	VOLTAGE	200 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %			
	CURRENT	3 A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>			
<b>SPECIFICATIONS</b>							
ITEM	TEST METHOD		REQUIREMENTS		QT	AT	
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT. CONFIRMED VISUALLY.		ACCORDING TO DRAWING.		X	X
MARKING						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. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5mm, AT 2 h FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	-
SHOCK	490 ms <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					X	-
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95%, 96 h.		① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN.			X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: 65→+15~+35→+125→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 15 mΩ MAX. ② NO HEAVY CORROSION.			X	-
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA 38)					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		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±3°C, FOR IMMERSION DURATION, 2 s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.			X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
△							
<b>REMARK</b> <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> 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. ELC4-018142-21							
<b>HRS</b> HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO.	A1-64PA-2, 54DS (71)		△ 1/1
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL619-0015-1-71		
APPROVED HS. OKAWA 07.02.01		CHECKED HS. OZAWA 07.02.01		DESIGNED KY. MAKAMURA 07.02.01		DRAWN KY. MAKAMURA 07.02.01	