

Johannesburg Branch

 MIMIC COMPONENTS

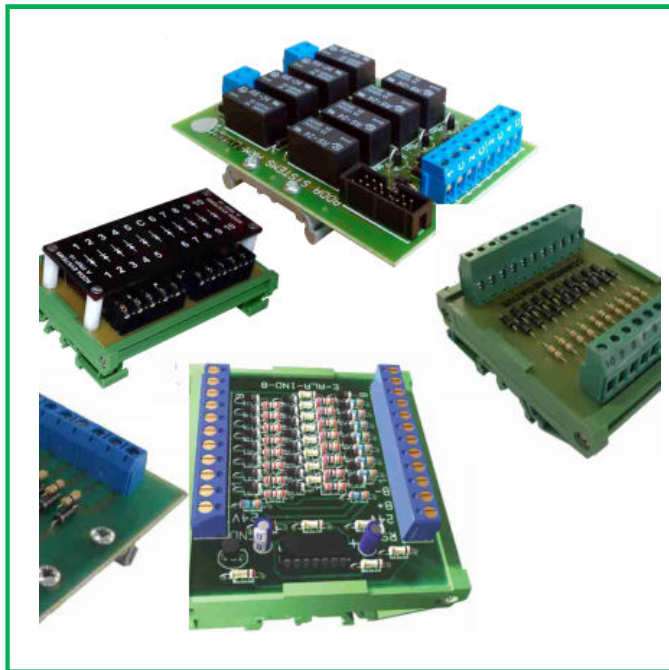
Cape Town Branch

 Mimic Cape

Interface, PSU & Cards

SECTION

7



- ❖ PLC's
- ❖ Lamp Test Cards
- ❖ Power Supply UPS Function
- ❖ PCB Terminal Blocks
- ❖ Household Contactor

FAB-2 Series PLC



S - Normally Stock
L - Limited Stock
O - Ex Order



PLC's

- CE approval
- 2 channel with RS485
- Supports Array text Panel
- Supports Modbus RTU protocol
- Power Indicator
- Improve RTC accuracy
- Improve PLC running speed
- Free programming Quick II software
- Removable panel with LCD
- FB programming and strong program storage capacity



SR Series PLC

- UL/CE approval
- Wireless remote control
- Supports Array text Panel
- Removable panel; cost saving
- Power failure protection(customised function)
- More compact, more powerful, flexible connection/ EHC
- Features 1k high-speed input port(customised function)
- 30 function blocks, the total amount of function blocks 128
- Telephone remote control, automatic dialing alarm and voice broadcasting.
- I/O can be extended freely, the optimum configurations 50DI, 30DO,8AI.
- 64 Human-Machine Interfaces, and the parameters can be displayed and modified directly.
- Power: AC110V-240V
- Degree of Protection: IP20



SR-HMI (REMOVABLE LCD DISPLAY)
32 Virtual Keys
64 Human-Machine Interfaces
Time, Input & Output State, Counter,
Alarming Interfaces etc

SR-22MRAC (22 I/O PLC UNIT)
14 Point AC or DC digital Inputs
8 point relay outputs
8 point transistor outputs (NPN / PNP)

SR-12MRAC (12 I/O PLC UNIT)
8 Point AC or DC digital Inputs
4 point relay outputs
4 point transistor outputs (NPN / PNP)

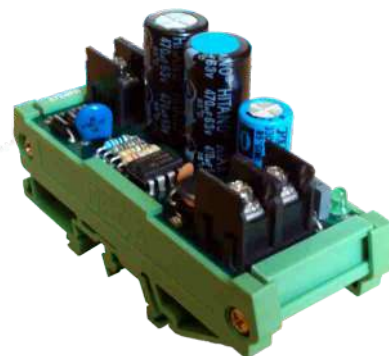
P24AC1 (24VAC to DC CONVERTER)

S - Normally Stock
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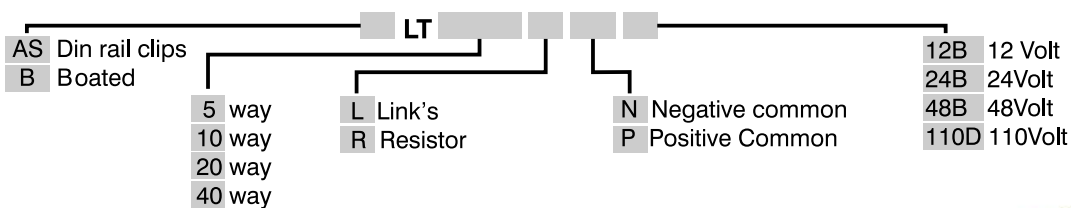
AC/DC CONVERTER

The P24AC1 is a rail mount switch-mode regulator for use on small 24Vdc systems. The regulator accepts an AC or DC voltage input and supplies a current limited, regulated 24Vdc at a nominal 500mA. The regulator has an LED output indicator to indicate the presence of an output voltage. The complete unit is a open - frame design in a rail mountable boat.

- Input Voltage Range: 24-29 Vac or 28-40 Vdc
- Output Voltage: 24Vdc ± 5%
- Output current (limited): 500mA @ 24Vdc
- Output Ripple: <80mV (ptp)



LAMP TEST CARD



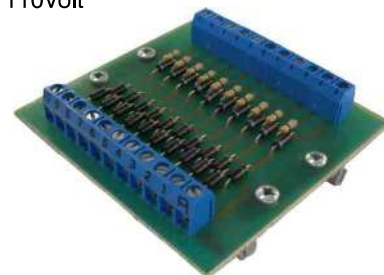
Mimics Lamp Test Cards are available in either a bare board economy format, normally with wire protected terminals or mounted in a PCB boat normally with higher capacity raising clamps terminals. The part no's with resistors are designed to operate a single LED at 17mA. If your pilot lights operate at supply voltage please order a LINK type card.

Link used on our boards

This is a zero ohm resistor marked with a single black band = 0W



- 24V DC is standard
- Raising Clamp Terminals or Boated options
- DIN Rail mountable
- 5 way
- 10 way
- 20 way
- 40 way
- Voltages 12, 24, 48, 110 & 220VDC



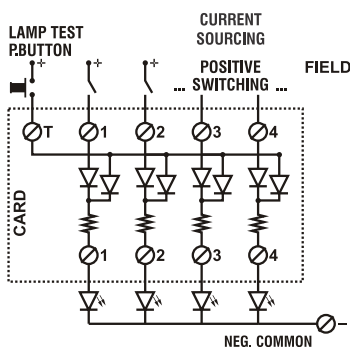
LT+ALARM FUNCTION



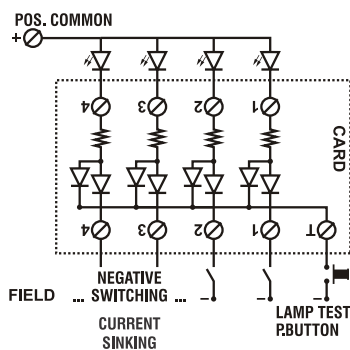
BOATED LT

Typical diagrams for LEDs

(FOR LAMPS THERE ARE NO RESISTORS)

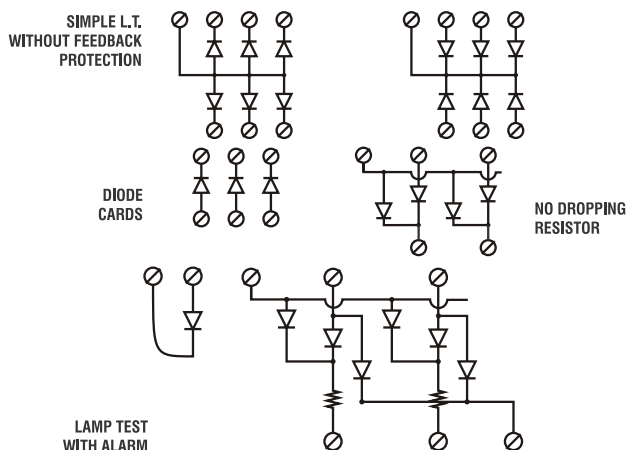


TYPE A
NEG. COMMON - POS. SWITCHING



TYPE B
POS. COMMON - NEG. SWITCHING

Other options:-



ATRIP-3 (3 way)

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ATRIP-5 (5 way)

ATRIP-8 (8 way)

ATRIP-10 (10 way)



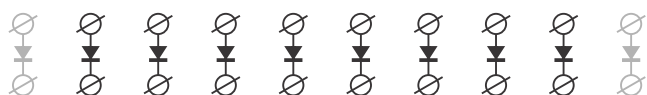
Pictured is a 10 way diode board that can be supplied in 2 formats, for mounting on DIN Rail. Normally used for combining multiple TRIP signals to a single output to drive a Trip Relay.

* 3 ,5,6 & 10 way Board Options

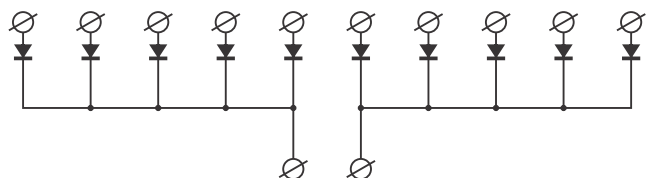
- 25A Diodes
- 1600V VRRM
- 0.34 kA LFSM (10msec)
- I²t - 580 A²s
- DIN Rail mounting

Symbol	Ratings	Unit
V _R RM	800-1600	V
I _R RM	6	mA
I _{F(AV)} (°C)	25 (120)	A
I _F RMS	39	A
I _F SM (10ms)	0.34	kA
I ² t	0.58	A ² s 10 ³
V _{FM} / I _{FM}	1.35 / 78	V / A
V _{T(TO)}	0.90	V
PRSM 100mks	2.5	kW
T _{jmax}	160	°C
R _{th(j-c)}	1.100	°C / W
M _d	0.9-1.1	Nm
w	0.006	kg

a). As 5,8 or 10 individual diodes.



b). As two groups of 5 diodes with anodes connected to a common.



NCH8-20



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HOUSEHOLD CONTACTOR

NCH8-40/20

NCH8-20 household AC contactor is mainly applicable to a power system of AC 50Hz or 60Hz, rated working voltage up to 230V, and in a line of application class AC-7a with rated working voltage up to 230V and rated working current up to 20A. It is used to remotely close and/or switch off the line. The product is widely used in dwelling houses, hotels and so on. Its main performance indices is in conformity with that specified in code IEC1095.



- Electrical ratings: up to 20A, 25A, 40A, 63A, 230V, AC50/60Hz.
- Utilization category: AC-1, AC-7a, AC-7b
- Standard: IEC / En61095
- Compact design and modularization design
- Insulation material with excellent performances has been adopted to enhance the operation security to a great extent
- Elegant appearance
- Mechanical lifetime: Not less than 1×10^5 times
- Electrical lifetime: Not less than 3×10^4 times

SP Series

POWER SUPPLY UPS FUNCTION

Compact design, small size and light weight. High efficiency and good reliability. Internal EMI filter. Power Output LED Indicator. Remote Control Function.
Input Voltage: 100-240VAC, 50/60Hz
Output Voltage: 24V
Rated Power: 36W
Output Current: 1.5A

- Cost effective power supplies with
- UPS function
 - Adjustable current limit protection
 - "Soft start".
 - Wide input voltage range (85-264VAC, 120-370VDC)
 - Output voltage adjustable (-5%~+10% by potentiometer V).

SP-05A5 - 5VDC 6amp
SP-12AS - 12VDC 3amp
SP-24AS - 24VDC 1.5amp
Dimensions: 71x106x65mm

SP-05AL - 5VDC 10amp
SP-12AL - 12VDC 6amp
SP-24AL - 24VDC 3amp
Dimension: 126x106x65mm

BZ12V72POR - 12V 7.2AH Battery (for UPS function)



PCB TERMINAL BLOCKS

While industrial controls become more and more complex and important, the interface modules are utilized as the improved solution to replace traditional single wiring usage. The diverse interface units are taken to convert signal between flat ribbon cable connector with screw type terminal, D-Subminiature connector with screw type terminal, and the relay with screw type terminal.

By applying wire technology and compact design, the interface units provide advantages on integration, space saving, flexibility, and costing efficiency. The interface modules, which are widely adapted, are considered the simple, convenient, economic and tech-oriented alternative for all common PLC's.

We stock a wide range of terminals.
Please contact us to discuss your requirements.

