DN-PR4

4-channel DIN-rail mounting power relay module



Functional Description

The DN-PR4 features a DIN-Rail mount and four form C electromechanical power relays for efficient switching of loads by programmed control. The contact of each relay can control a 5 A load at 250VAC / 30VDC. The relay is energized by applying a +24V voltage signal to the appropriate relay channel. Each output is equipped with a LED to display its status. Each output is equipped with a varistor that shunts the surge voltage of the inductive load or electromagnetic brake to protect the relay contact point. All relay control and relay outputs are accessible through the wiring terminals

Specifications

- Nominal load: 250VAC @ 5A, 30VDC @ 5A
- Max. switching power: 1250VA(NO), 750VA(NC)
- Max. switching Voltage: 250VAC, 150VDC
- Max. switching Current: 5A
- Life Expectancy: 10 millions operations (Mechanical)
- Operate time: 10ms
- Release time: 5ms
- Control Logic: Input +24V, relay off
- Power requirements: 24VDC @ 100 mA max
- Dimensions: 77 mm x 101 mm x 46 mm

Varistor

- Maximum applied voltage: 300Vrms
- Clamping voltage: 760 V(10A)
- Varistor voltage: 470 V(current =1 mA)
- Max. peak current: 1200A for 8 msec.

Ordering Information

Standard

DN-PR4: 4-channel DIN-rail mounting power relay module

Optional

ACE-540A: 24V/2A output power supply 85V~264VAC input range

DN-SSR4

4-channel DIN-rail mounting solid state relay module



Functional Description

The DN-SSR4 includes 4 normally open, Form A, solid-state relays. The user can use the DN-SSR4 to switch high voltage load which can be up to 240VAC and up to 4 A. Four enunciative LEDs, one for each relay, light when their associated relay are activated. Each output equipped with a varistor that shunts the surge voltage of the inductive load or electromagnetic brake to protect the relay contact point. All relay control and relay outputs are accessible through the wiring terminals.

Specifications

- Load Voltage: 50 @ 250VAC
- Repetitive peak OFF voltage: 600V
- Surge current: 50 A
- Max. Load current: 4 A
- Min. load current: 20 mA
- Max. "OFF-state" leakage current: 50 mA
- Operate time: 1/2 cycle of voltage sine wave 1 ms max. (Zero-cross)
- Control Logic: Input +24V, relay off

General Specifications

- Power requirements: external +24V @ 100 mA max
- Operating temperature: 0 ~ 60°C
- Operating humidity: 0 ~ 90% non-condensing
- Storage temperature: -20 ~ 80°C
- Dimensions: 77 mm x 101 mm x 66 mm

Ordering Information

Standard

DN-SSR4: 4-channel DIN-rail mounting solid state relay module

Optional

ACE-540A: 24V/2A output power supply 85V~264VAC input range

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000