

Description

- Slim Relay Module : RPL-SERIES is a compact, slim-type relay module consisting of multiple relays in a single unit.
- Input voltage: 24VAC/DC, supports both NPN and PNP types.
- Relay output: SPDT 250VAC/30VDC, 6A.
- Available relay quantities: 2, 4, 6, 8, 12, and 16 relays.
- Saves installation space in electrical cabinets, MDB cabinets and machine control panels.
- Input and output are separated, making wiring and maintenance easier.
- LED indicators show the operating status of each relay.
- DIN rail mounting.

Operation

RPL-Series is a slim relay module consisting of multiple relays in a single unit, available in 2, 4, 6, 8, 12, and 16 relays. It has a slim and compact structure that helps save installation space. It is designed for DIN rail mounting and is suitable for installation in electrical cabinets and MDB cabinets.

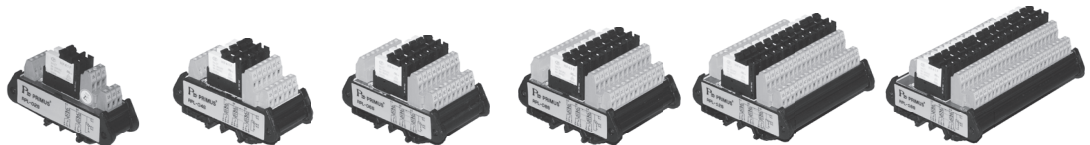
RPL-SERIES can be connected to the outputs of a PLC or other devices supporting both PNP and NPN types, allowing the relay contacts to be used as required. It is equipped with LED indicators to display the operating status of each relay.

It is equipped with terminals for wiring 2.5 mm² cables, making wiring and maintenance convenient. In the event of system abnormalities, maintenance can be performed easily. It can operate within a temperature range of -10 to 50°C and supports a 24 VAC/DC power supply, allowing it to be powered by a transformer without the need for a switching power supply.

Specification

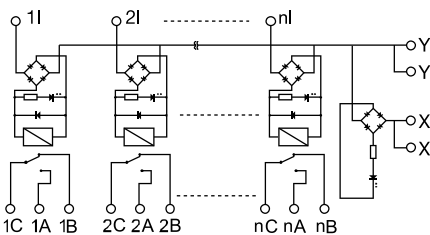


- AC/DC CONTROL VOLTAGE
- POSITIVE OR NEGATIVE CONTROL VOLTAGE



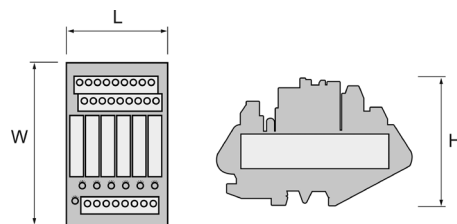
Model	RPL-02S	RPL-04S	RPL-06S	RPL-08S	RPL-12S	RPL-16S
Rate input voltage	24VAC/DC ±10%	24 VAC/DC ±10%	24VAC/DC ±10%	24VAC/DC ±10%	24VAC/DC ±10%	24VAC/DC ±10%
Rate input current	7 mA /Unit ±10%	7 mA /Unit ±10%	7 mA /Unit ±10%	7 mA /Unit ±10%	7 mA /Unit ±10%	7 mA /Unit ±10%
Turn on time	15 ms	15 ms	15 ms	15 ms	15 ms	15 ms
Turn off time	5 ms	5 ms	5 ms	5 ms	5 ms	5 ms
Type and number of contact	SPDT x 2 relays	SPDT x 4 relays	SPDT x 6 relays	SPDT x 8 relays	SPDT x 12 relays	SPDT x 16 relays
Rate output voltage	250VAC / 30 VDC	250 VAC / 30 VDC	250VAC / 30 VDC	250VAC / 30 VDC	250VAC / 30 VDC	250VAC / 30 VDC
Rate output current	6 A	6 A	6 A	6 A	6 A	6 A
Current breaking power	6 A	6 A	6 A	6 A	6 A	6 A
Max. Wire Dimension	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²
Operating temperature	-10 to 50°C	-10 to 50°C	-10 to 50°C	-10 to 50°C	-10 to 50°C	-10 to 50°C
Coil / contact isolation	6 k VAC/60s	6 k VAC/60s	6 k VAC/60s	6 k VAC/60s	6 k VAC/60s	6 k VAC/60s
Status display	LED	LED	LED	LED	LED	LED
Dimension (WxLxH) mm.	98 x 26 x 65	98 x 41 x 65	98 x 56 x 65	98 x 71 x 65	98 x 103 x 65	98 x 136 x 65

Wiring Diagram



Power Supply 24VDC		
X=+	Y=-	Negative Common (PNP)
X=-	Y=+	Positive Common (NPN)

Dimension



MODEL	W(mm.)	L(mm.)	H(mm.)
RPL-02S	98	26	65
RPL-04S	98	41	65
RPL-06S	98	56	65
RPL-08S	98	71	65
RPL-12S	98	103	65
RPL-16S	98	136	65

Ordering Code

RPL- 

02S	SPDT x 2 Relays
04S	SPDT x 4 Relays
06S	SPDT x 6 Relays
08S	SPDT x 8 Relays
12S	SPDT x 12 Relays
16S	SPDT x 16 Relays