RPL-XXS-C-SERIES

SLIM RELAY MODULE WITH INPUT CABLE

PRIMUS



Slim Relay Module



Slim Relay Module With Cable Switching Power Supply



Cable

Ex. Slim Relay Module with Input Cable

Specification

MODEL	RPL-08S -C	RPL-12S -C	RPL-16S -C	RPL-08S -C-SW	RPL-12S -C-SW	RPL-16S -C-SW
Power Supply	24VDC ±10%			120-230VAC 50-60Hz		
Output Switching Power Supply	None			24VDC 2.5A		
Rate Input Voltage	24VAC/DC +10%					
Rate Input Current	7mA /Unit +10%					
Turn On Time	8 ms					
Turn Off Time	4 ms					
Type and Number Of Contact	SPDT x 8 Relays	SPDT x 12 Relays	SPDT x 16 Relays	SPDT x 8 Relays	SPDT x 12 Relays	SPDT x 16 Relays
Rate Contact Voltage	250VAC/30VDC					
Rate Contact Current	6A					
Max. Switching Current	6A					
Terminals /Connectors Input	Wire Connectors 0.14 mm^2 Cable 1, 2, 3M					
Terminals /Connectors Output	Terminal blocks 2.5 mm^2					
Operating Temperature	-10 to 50 °C					
Coil/Contact Isolation	4 k VAC / 60 s					
Status Relay Display	LED					
Dip Switch Input NPN/PNP	Switch NPN PNP					
Relay Module Dimension (W x L x H) (mm.)	98 x 90 x 65	98 x 120 x 65	98 x 150 x 65	98 x 180 x 65	98 x 210 x 65	98 x 270 x 65
Approximative Weight (kg.)	210	290	370	460	540	620

Description

- Slim Relay Module with Input Cable : RPL-XXS-C-Series is a compact, slim-type relay module with a built-in switching power supply, consisting of multiple relays in a single unit, and supplied with input cables for convenient connection.
- Available in 2 versions:
  - Slim Relay Module with 24VDC input, supports NPN and PNP (RPL-XXS-C).
  - Slim Relay Module with built-in Switching Power Supply (RPL-XXS-C-SW).
- Built-in Switching Power Supply 24VDC / 2.5A / 70W for operation and supplying external loads.
- Power supply input 120–230VAC (RPL-XXS-C-SW).
- Relay Output type SPDT 250VAC / 30VDC, 6A.
- Slim Relay Module available with 8, 12, and 16 relays.
- Input cable with lead-out wiring for convenience and to significantly reduce wiring or circuit modification.
- DIP switch for selecting NPN or PNP input type.
- Space-saving installation in electrical cabinets, MDB panels, and machine control panels.
- LED indicators show the operating status of each relay.
- DIN rail mounting.

Operation

RPL-XXS-C-Series is a compact, slim-type relay module with cable, consisting of multiple relays—8, 12, and 16 relays—in a single unit. This design helps save installation space. It is DIN rail mounted and suitable for installation in electrical cabinets and MDB panels. The module features cable-type inputs, providing convenience and significantly reducing wiring work or circuit modifications.

RPL-XXS-C-Series can be connected to the output of a PLC or other devices. The input type can be selected as either PNP or NPN via a DIP switch for using the relay contacts. LEDs indicate the operating status of each relay. The inputs are provided as pre-wired cables with connectors, which help reduce wiring errors. The output terminals support wire sizes up to 2.5 mm^2, making wiring and maintenance easier in case of system faults. The module can operate in an ambient temperature range of -10 to 50 °C. It also includes a built-in switching power supply 24 VDC / 2.5 A / 70 W for operation and for supplying power to external loads such as PLCs and other devices.

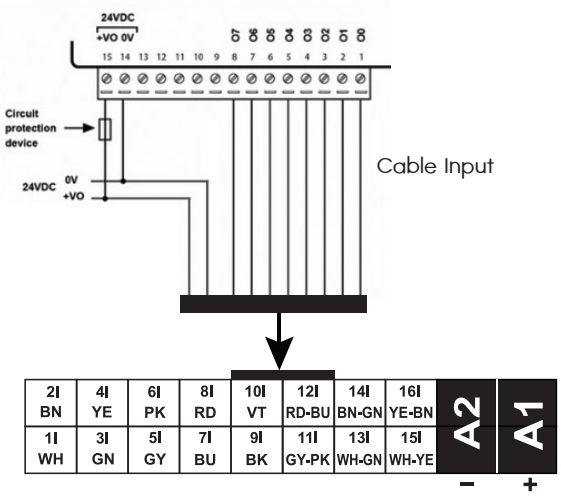
Wiring Diagram

Input table and color cable

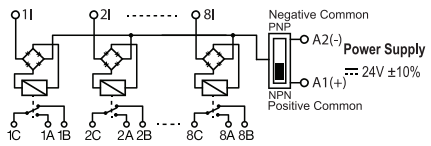
INPUT	COLOUR	NAME
1I	White	WH
2I	Brown	BN
3I	Green	GN
4I	Yellow	YE
5I	Grey	GY
6I	Pink	PK
7I	Blue	BU
8I	Red	RD
9I	Black	BK
10I	Violet	VT
11I	Grey-Pink	GY-PK
12I	Red-Blue	RD-BU
13I	White-Green	WH-GN
14I	Brown-Green	BN-GN
15I	White-Yellow	WH-YE
16I	Yellow-Brown	YE-BN
A2 (0V)	White-Grey	WH-GY
A2 (0V)	Grey-Blue	GY-BN
A1 (24V)	White-Pink	WH-PK
A1 (24V)	Pink-Brown	PK-BN



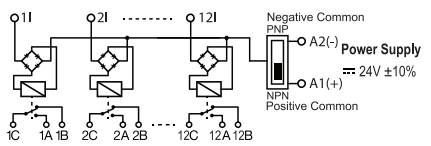
PLC
"Unitronics" SM35
Transistor Outputs
SM35/43/70-J-T20



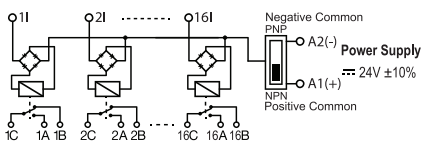
RPL-08S-C



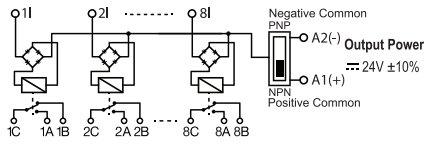
RPL-12S-C



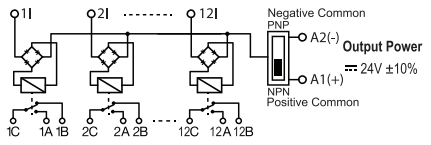
RPL-16S-C



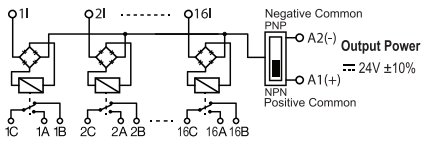
RPL-08S-C-□-SW



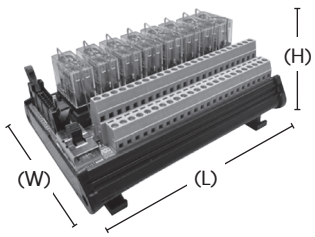
RPL-12S-C-□-SW



RPL-16S-C-□-SW



Dimension



MODEL	W (mm.)	L (mm.)	H (mm.)
RPL-08S-C-□	98	90	65
RPL-12S-C-□	98	120	65
RPL-16S-C-□	98	150	65
RPL-08S-C-□-SW	98	180	65
RPL-12S-C-□-SW	98	210	65
RPL-16S-C-□-SW	98	270	65

Ordering Code

RPL- [ ] - C - [ ] - [ ]

08S	SPDT x 8 Relays
12S	SPDT x 12 Relays
16S	SPDT x 16 Relays

None	None
SW	Switching Power Supply 24VDC/2.5A/70W

1	Cable 1 M
2	Cable 2 M
3	Cable 3 M
4	Cable 4 M
5	Cable 5 M