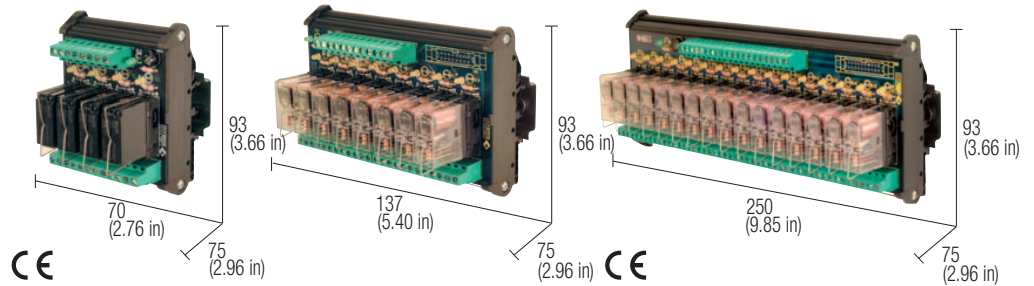


## Multi-Channel Relay Modules

### 24 Vac/dc SPDT relay modules universal control voltage

- DC and AC control voltage
- Positive or negative control voltage
- Status LED display
- Pluggable relay



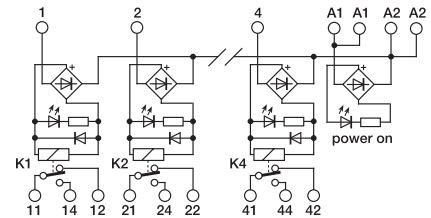
#### NOTES

The height dimension includes 35 mm DIN rail.  
(1) Relay model is not binding, they may be modified without prior warning. The technical data shown here is to be considered typical  
(2) Version available upon request.

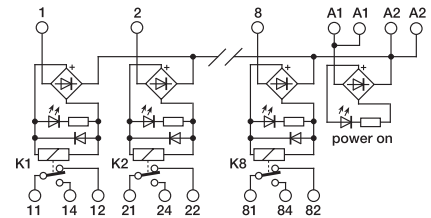
#### POWER SUPPLY

A1 = +	A2 = -	negative common
A1 = -	A2 = +	positive common
A1 = ~	A2 = ~	AC power supply

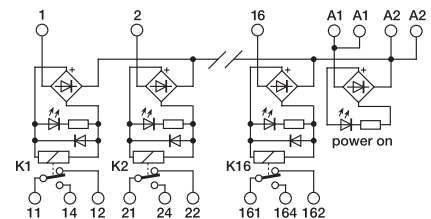
#### BLOCK DIAGRAM



4 relay module



8 relay module



16 relay module

#### VERSIONS

4 relay module

8 relay module

16 relay module

Cat. No. XR041EAD    Cat. No. XR081EAD    Cat. No. XR161EAD

R41EAD

R81EAD

R161EAD

#### INPUT TECHNICAL DATA

Rated voltage	24 Vac/dc ± 10%
Rated current (1 channel)	22 mA ± 10%
Turn ON time	15 ms
Turn OFF time	5 ms
Protection circuit	damping diode and bridge rectifier

#### OUTPUT TECHNICAL DATA

Type and number of contacts	SPDT AgSnO <sub>2</sub>
Nominal load (resistive)	12 A / 250 Vac
Current breaking power	12 A
Current of the fuse max.	—

#### GENERAL TECHNICAL DATA

Operating temperature range	-10...+50°C
Coil/contact isolation	2.5 kVac / 60 s
Isolation between output terminals	1 kVac / 60 s (between open contact)
Protection degree	IP 00 IEC 529, EN60529
Overvoltage category / Pollution degree	III / 2
Reference Standard	IEC 664-1, DIN VDE 0110.1
Status display	green LED / yellow LED
Connection terminal	2.5 mm <sup>2</sup> fixed screw type
Housing material	UL94V-0 plastic material
Approx. weight	192 g (6.76 oz)    345 g (12.18 oz)    688 g (24.29 oz)
Mounting information	vertical on rail adjacent without gap

#### MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail type according to IEC60715/G32	PR/DIN/AC - PR/DIN/AS - PR/DIN/AL
Replacement relay (1)	Cat. No. 8904001
Screw type jumper	red white blue