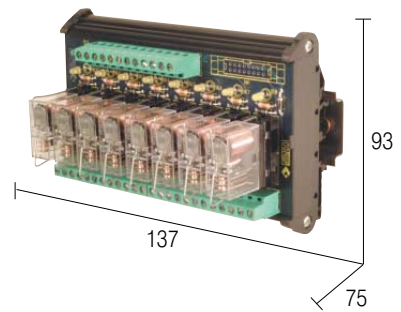
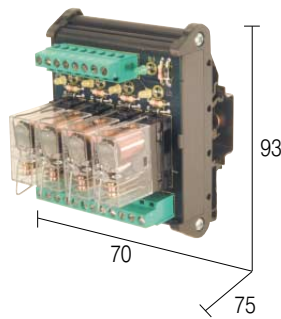


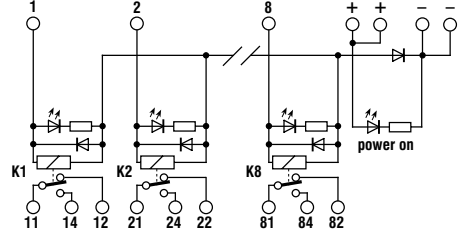
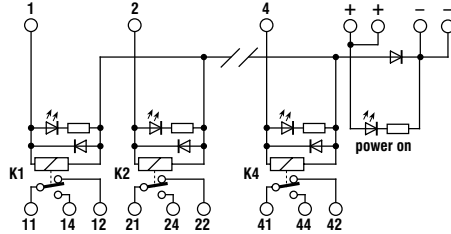
# SPDT DC Multi-relay modules



## BLOCK DIAGRAMS / NOTES

(1) Relay model is not binding, they may be modified without prior warning. The technical data reported refer to the user relays, for more detail see pages 68 through 73.

## Block diagram



## VERSION

Pluggable relay, negative common  
Pluggable relay, positive common  
Socket without relay, negative common

**R41E24** Cod. XR041E24  
**R41E24P** Cod. XR041E24P  
**Z4124D** Cod. XZ04124D

**R81E24** Cod. XR081E24  
**R81E24P** Cod. XR081E24P  
**Z8124D** Cod. XZ08124D

## INPUT TECHNICAL DATA

Rated voltage 24 Vac / dc  $\pm 10\%$   
Rated current (1 channel) 25 mA  $\pm 10\%$   
Turn ON time 15 ms  
Turn OFF time 5 ms  
Terminals / connectors terminal blocks 2.5 mm<sup>2</sup>

24 Vdc  $\pm 10\%$   
20 mA  $\pm 10\%$   
15 ms  
10 ms  
terminal blocks 2.5 mm<sup>2</sup>

## OUTPUT TECHNICAL DATA


Type and number of contact SPDT x 4 relay  
Rated voltage 250 Vac  
Rated current 10 A  
Current breaking power 10 A  
Terminals / connectors terminal blocks 2.5 mm<sup>2</sup>  
Isolation between output terminals 1 K Vac / 60 s

SPDT x 8 relay  
250 Vac  
10 A  
10 A  
terminal blocks 2.5 mm<sup>2</sup>  
1 kVac / 60 s

## GENERAL TECHNICAL DATA

Operating temperature - 10 – 50°C  
Coil / contact isolation 2.5 kVac / 60 s  
Protection degree IP 00  
Reference standards IEC 664-1  
Pollution degree 2  
Overvoltage category 3  
Relay model (1) OMRON G2R-1, NAIS JW1FSN, FINDER 40.31  
Status display

- 10 – 50°C  
2.5 kVac / 60 s  
IP 00  
IEC 664-1  
2  
3  
OMRON G2R-1, NAIS JW1FSN, FINDER 40.31

Housing material polyamide UL94V-0  
Approximative weight 188 g (pluggable relay version)  
Mounting information adjacent without gap  
Mounting rail  PR/3/AC - PR/3/AS

LED  
polyamide UL94V-0  
342 g (pluggable relay version)  
adjacent without gap  
PR/3/AC - PR/3/AS

Mounting rail  PR/DIN/AC - PR/DIN/AS - PR/DIN/AL

PR/DIN/AC - PR/DIN/AS - PR/DIN/AL