

SecuriFire

## B3-REL10

Relay board with 230 V contacts

The B3-REL10 board contains 10 bistable 230 V / 3 A relays.

Domain: SCP 3000



**Fig. 1 B3-REL10**

### Function/Application

The B3-REL10 has 10 freely programmable bistable 230 V / 3 A relays for connecting fire incident controls.

Defining whether the contact is a working or normally closed contact is done with planning software. Further, for each relay a "Fail-Safe-Position" can be defined for instances in which there is a power failure or the SCP is switched off.

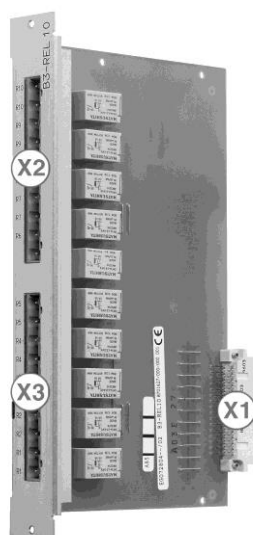
The connection to the B8-BAF / B8-MRI16 is on the rear side using a 32-pin male connector via relay BUS. The peripheral devices are connected on the front side of the board with two 10-pin plug-in terminals.

### Interfaces

**X1** Connection to the relay BUS

**X2** Connector plug for relays 6-10 (230 V / 3 A)

**X3** Connector plug for relays 1-5 (230 V / 3 A)



**Fig. 2 B3-REL10 interfaces**

#### Plug for relays 6-10 (X2) and relays 1-5 (X3)

Plug X2		Plug X3	
Relay	Marking	Relay	Marking
10	R10	5	R5
	R10		R5
9	R9	4	R4
	R9		R4
8	R8	3	R3
	R8		R3
7	R7	2	R2
	R7		R2
6	R6	1	R1
	R6		R1

#### Technical data X2 und X3

Relay design	bistable
Switching voltage	max. 230 VAC / 125 VDC
Switching current	max. 3 A
Breaking capacity	max. 300 W / 2500 VA
Contact resistance	max. 30 mΩ
Mechanical	plug-in screw terminal, max. 2.5 mm <sup>2</sup>

# Data sheet

## Planning

The country-specific directives apply when planning and installing automatic fire detector systems.

The B3-REL10 can be fitted in the board rack of each SecuriFire 3000 at slots 11 to 13. However, a B8-BAF or B8-MRI16 board must be fitted to slot 9.

Defining whether the contact is a working or normally closed contact is done with planning software SecuriFire Studio. By programming a "Fail-Safe-Position", the state of each individual relay can be defined for power supply failure or shut down of the SCP.



Protective low voltage and mains voltage have to be spatially separated! The following therefore applies for both relay interfaces on the board: Once a relay of the respective interface is supplied with 230 VAC mains voltage, no components with 24 VDC protective low voltage may be planned on another relay of this interface!

Information about programming, please refer to the SecuriFire Studio manual T811093.

The B3-REL10 is supported beginning with SecuriFire Studio R 1.0.

## Connection example

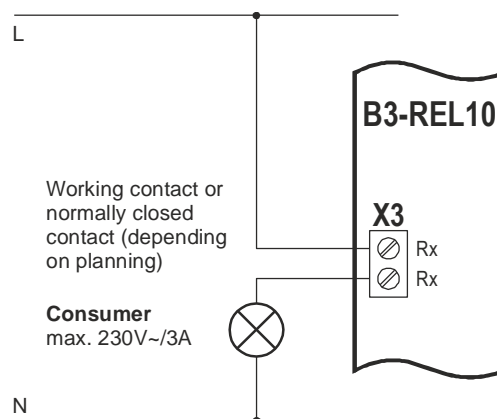


Fig. 3 Connecting working and normally closed contact

## Article numbers / spare parts

Short designation	Art. number CH	Art. number
B3-REL10 Relay board with 230 V contacts (incl. ST-SET REL10)	→	20-1000003-01-xx
ST-SET REL10 2 pcs. plug straight (frontal screwable)	972240	20-1040101-01-xx
ST-SET REL10 W 2 pcs. plug angled	239682	FG74103

## Technical data

Power supply	provided by the board at slot 9 via the relay BUS
Protection type	according to control panel
Ambient temperature, Relative humidity, Air pressure	according to control panel
Weight (gross/net)	404/285 g