

SecuriFire B3-REL10

Relay board with 230 V contacts

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



Fig. 1 B3-REL10

Domain: SCP3000

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 B5-BAF / B5-MR116 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 / 3A)
- X3 Connector plug for relays 1-5 (230 V / 3A)

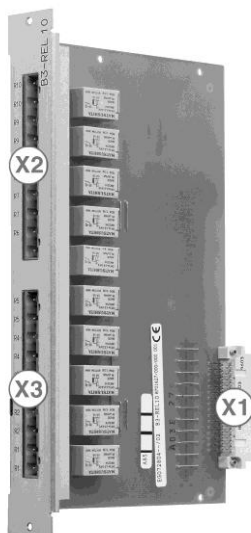


Fig. 2 B3-REL10 interfaces

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

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

Technical data X2 und X3

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

Data sheet

Planning

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

The B3-REL10 can be fitted in the unit rack of each SecuriFire 3000 at slots 11 to 13 of the unit rack. However, a B5-BAF or B5-MR16 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 an "Active in 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 unit: 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!

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

Connection example

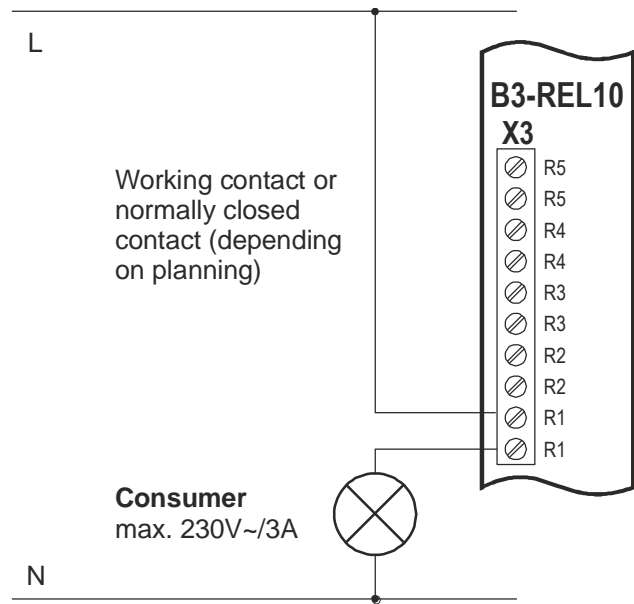


Fig. 3 Connecting working and normally closed contact

Article numbers / spare parts

Short designation		Art. number CH	Art. number
B3-REL10	Relay board with 230 V contacts (incl. ST-SET REL10)	115.249 837	20-1000003-01-02
ST-SET REL10	2 pcs. plug straight (frontal screwable)	239.972 240	20-1040101-01-01
ST-SET REL10 W	2 pcs. plug angled	239.239 682	FG74103

Technical data

Power supply	provided by the unit 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