



Emergency Stop Relays, Safety Gate Monitors

PNOZ 1

Emergency stop relay and safety gate monitor in accordance with VDE 0113, EN 60 204-1 and IEC 204-1

Features:

- Single-channel or dual-channel without detection of shorts.
- Not designed for operation via semiconductor outputs.
- 90mm, P-75-housing, DIN rail mounting
- Positive-guided relay outputs:
 - 3 safety contacts (N/O)
 - 1 auxiliary contact (N/C)
- Connections for
 - E STOP button
 - Safety gate limit switch
 - reset button
- LED's for channel 1 and channel 2
- Increase in the number of safety contacts available by connecting expanding modules

Operating Modes

- Single-channel operation
- Dual-channel operation
- Automatic reset
- Manual reset

PNOZ 1

Voltage	Order No.	Part No.	Price Each
24VDC	475 695	PNOZ 1 24VDC	£170.96
24VAC	475 600	PNOZ 1 24VAC	£170.96
110VAC	475 630	PNOZ 1 110VDC	£170.96
230VAC	475 650	PNOZ 1 230VAC	£170.96

PNOZ X3

Emergency stop relay and safety gate monitor in accordance with VDE 0113, EN 60 204-1 and IEC 204-1

Features:

- Monitored manual or automatic reset can be selected
- 1 semiconductor output (K1/K2)
- Each AC unit can be operated with 24VDC
- Safety gate function with N/C-N/O combination
- Only dual-channel operation will detect shorts across the input contacts
- 45mm, P-93-housing, DIN rail mounting
- Positive-guided relay outputs:
 - 3 safety contacts (N/O)
 - 1 auxiliary contact (N/C)
- Connections for
 - E STOP button
 - Safety gate limit switch
 - reset button
- Semiconductor output signals ready for operation
- LED's for channel 1 channel 2 and power
- Increase in the number of safety contacts available by connecting expanding modules

Operating Modes

- Single-channel operation
- Dual-channel operation
- Automatic reset
- Monitored manual reset

PNOZ X3

Voltage	Order No.	Part No.	Price Each
24VAC/24VDC	774 310	PNOZ X3 24VAC24VDC	£118.60
110VAC/24VDC	774 314	PNOZ X3 110VAC24VDC	£118.60

Emergency Stop Relays, Safety Gate Monitors

PNOZ XV2

Emergency stop relay and safety gate monitor in accordance with VDE 0113, EN 60 204-1 and IEC 204-1

Features:

- Input wiring compatible with the PNOZ X3
- Dual-channel wiring with detection of shorts across the input contacts
- Monitored manual or automatic reset can be selected
- 2 Delay-off safety contacts
- Supply Voltage: 24VDC
- Time Reset
- 45mm, P-93 housing, DIN rail mounting
- Positive-guided relay outputs:
 - 2 instantaneous safety contacts (N/O)
 - 2 delayed safety contact (N/C)
- Connections for
 - E STOP button
 - Safety gate limit switch
 - reset button
- LED's for power, channel 1 and channel 2, CH.1 IN and CH.2
- Increase in the number of safety contacts available by connecting expanding modules

Operating Modes

- Single-channel operation
- Dual-channel operation
- Automatic reset
- Monitored manual reset

PNOZ XV2

Voltage	Order No.	Part No.	Price Each
24VDC	774 500	PNOZ XV2 24VDC	£174.50





PZE 9

Expanding module in accordance with VDE 0113, EN 60 204-1 and IEC 204-1 and IEC 204-1 to increase the number of safety contacts available

Features:

- Diverse
- Dual-channel operation with short circuit detection possible
- 90mm, P-93 housing, DIN rail mounting
- Relay outputs, positive-guided:
 - 8 safety contacts (N/O)
 - 1 auxiliary contact (N/C)
- LED's for power, channel 1 and channel 2
- Connection for feedback control loop

Operating Modes

- E STOP button
 - Safety gate limit switch
 - Two-hand relays
- All base units must have a feedback control loop

PZE 9

Voltage	Order No.	Part No.	Price Each
24VDC	774 150	PZE 9 24VDC	£145.66
24VAC	774 140	PZE 9 24VAC	£145.66
110VAC	774 143	PZE 9 110VAC	£145.66

PNOZ Sigma

Expanding module in accordance with prEN ISO 13849-1, EN 954-1 and IEC 62061

Features:

- Plug-in Screw Terminal
- Manual/automatic reset
- Rapid diagnostics at a glance

Operating Modes

- E STOP button
- Safety gate limit switch
- Light Curtain
- Two-hand relays

PNOZ S...

Type	Voltage	Description	Order No.	Part No.	Price Each
PNOZ s1	24VDC			750101	£74.80
PNOZ s2	24VDC	Monitored reset & safe separation		750102	£88.90
PNOZ s3	24VDC	Monitored reset, safe separation & Detects shorts across contacts		750103	£91.80
PNOZ s4	24VDC	Monitored reset, Start-up testing & Detects shorts across contacts		750104	£119.00
	240VAC/DC	Monitored reset, Start-up testing & Detects shorts across contacts		750134	£119.00





XPS AC



XPS MP



XPS AR

Preventa XPS Safety Relays

- Internal electronic fuse protection
- Normally open safety relay outputs
- Normally closed signalling contacts on most versions
- Solid state " status" outputs on many versions
- Suitable for safety categories within EN954 as shown below
- Start button monitoring or automatic starting on most versions
- BG and UL/CSA product certification

Technical specification

Conformity standards: IEC204-1, EN292, EN418, EN60204-1, EN954-1 Categories as shown below, EN 1088

Output fuse protection: AC15, DC13

C300:Inrush 1800VA, Maintained 180VA, 24V/1.5A – L/R = 50ms, 6A fast acting, 4A fuse

Fuse protection: internal, electronic

Operating temperature: -10°C to +55°C

Preventa XPS Features

Types	Outputs		Solid state (signalling)	Safety category acc to BS EN954	Start button monitoring	automatic start	LED indicators	Dimensions		
	Safety NO	signalling NC						Depth (mm)	height (mm)	width (mm)
XPS MP	6	-	3	4	Yes	yes	12/3	111	99	45
XPS AC	3	-	1	3	No	Yes	2	111	99	22.5
XPS AR	7	2	4	4	Yes	Yes	4	114	99	90
XPS AK	3	1	4	4	Yes	Yes	4	114	99	45
XPS AV	3 instant +3 Timed	-	3	4	Yes	Yes	11	114	99	45
XPS BF	2	-	2	4	n/a	Yes	3	114	99	22.5
XPS DMB	2	-	2	4	Yes	Yes	3	114	99	22.5
XPS DME	2	-	2	4	Yes	Yes	15	111	99	45

Preventa Safety Relays

Functionality	Voltage	Part No.	Price Each
Universal *	24V DC	XPSMP11123	£278.00
	24VAC/DC	XPSAC5121	£100.15
Emergency stop	110V AC	XPSAC3421	£100.15
	240V AC	XPSAC3721	£100.15
	24VDC/AC	XPSAR311144	£261.42
Emergency Stop, limit switch and light curtain monitoring	24VDC/110VAC	XPSAR351144	£261.42
	24VDC/240VAC	XPSAR371144	£261.42
Emergency Stop and limit switch monitoring with time delay requirement	24VDC	XPSAV11113	£219.46
Emergency Stop, limit switches, safety footmats and light curtain monitoring	24VAC/DC	XPSAK311144	£157.23
	110VAC/24VDC	XPSAK361144	£157.23
	230VAC/24VDC	XPSAK371144	£197.23
Two hand control monitoring	24VDC	XPSBF1132	£170.02
monitoring of 2 coded magneticswitches	24VDC	XPSDMB1132	£135.17
Monitoring for Up to 6 coded magnetic switches	24VDC	XPSDME1132	£187.95

*Designed to monitor any two safety functions independently : emergency stop, guard switches, magnetic switches, enabling switch, footmats, 2 hand control or type 4 light curtains

Magnetic Switches



Preventa XCSDM Coded Magnetic Switches

- Actuation face -to -face, side- to -side, and face- to -side
- Compact version- 2 contacts
- Standard version - 3 contacts
- Coded reed technology- switch cannot be totally defeated by a single magnet
- Certified safety solution when used with PREVENTA XPSDM safety relays
- Tolerant of up to 6mm misalignment
- Optional LED indication

Technical specification

Conformity to standards: IEC 947-1, EN 547-5-1 & EN 547-5-3, EN 60204-1, EN 1088, BG APPROVAL

Contact Rating: 100mA @ 24VDC

Degree of protection: IP67

Operating temperature: -25°C to +85°C

Dimensions: Compact - 16x51x7mm, Standard - 25x88x13mm

Operating life: >1 million operations

Safety contacts: Compact - 2 N/O+1NC or 2NC, Standard - 2NC+1NO or 2NO+1NC

Compact magnetic switches- 2mtr integrated cable

Contact configuration	Type	Part No.	Price Each
1NO+1NC	without LED	XCSDMC5902	£45.55
	with LED	XCSDMC5912	£50.10
2NC	without LED	XCSDMC7902	£45.55
	with LED	XCSDMC7912	£53.61

Standard magnetic switch- 2mtr integrated cable

Contact configuration	Type	Part No.	Price Each
2NO+1NC	without LED	XCSDMP5002	£50.61
	with LED	XCSDMP5012	£55.67
2NC+1NO	without LED	XCSDMP7002	£50.61
	with LED	XCSDMP7012	£59.51

The contacts configuration are shown in an activated state i.e. the sensor and actuator are together.