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Find the *Pilz PZE5V 0.5 3S 24VDC 4S 1O* at our website: *Click HERE*

Instantaneous
PZE 5



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

Features

- Single or dual-channel operation

Approvals

	PZE 5
BG	●
	●
INRS	●
CERT SWEDEN	●
SUVA	●

Technical Details	PZE 5
Electrical Data	
Supply Voltage	AC: 24, 42, 48, 110, 120, 230, 240 V DC: 24 V
Tolerance	85 ... 110 %
Power Consumption	Approx. 3.5 W/5 VA
Maximum Sum of Output Current	Max. 40 A
Switching Capability in accordance with EN 60 947-4-1	AC1: 240 V/8 A/2000 VA 400 V/5A/2000 VA DC1: 24 V/8 A/200 W
EN 60 947-5-1 (DC13: 6 cycles/min.)	AC15: 230 V/5 A; DC13: 24 V/7A
Output Contacts	4 safety contacts (N/O), 1 auxiliary contact (N/C)
Contact Fuse Protection (EN 60 947-5-1)	10 A quick or 6 A slow
Times	
Delay-on Energisation	Approx. 30 ms
Delay-on De-energisation	Approx. 50 ms
Mechanical Data	
Maximum Cross Section of External Conductors	2 x 2.5 mm^2 SIngle-core or multi-core with crimp connectors
Dimensions (H x W x D)	87 x 90 x 110 mm
Weight	AC: 420 g, DC: 340 g

Description

- 90 mm, P-75-housing, DIN-Rail mounting
- Positive-guided relay outputs:
  - 4 safety contacts (N/O)
  - 1 auxiliary contact (N/C)
- Connection for feedback control loop

Function Description

PZE 5 is used to increase the number of safety contacts available on
- E-STOP relays
- Safety gate monitors
- Two-hand relays

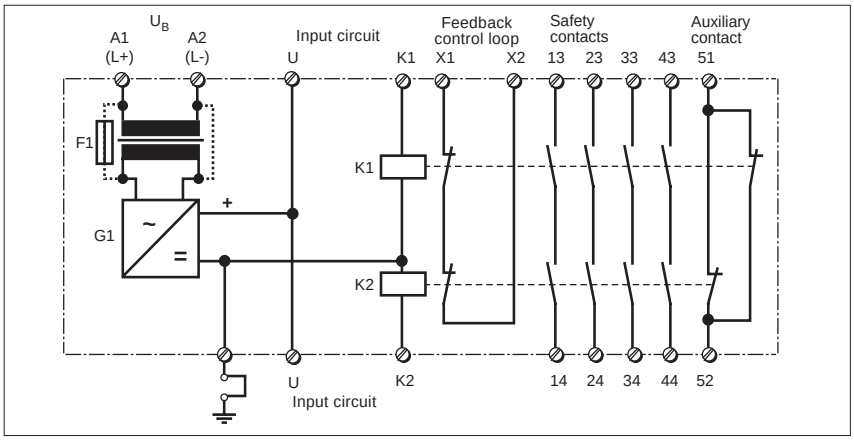
All base units must have a feedback control loop.

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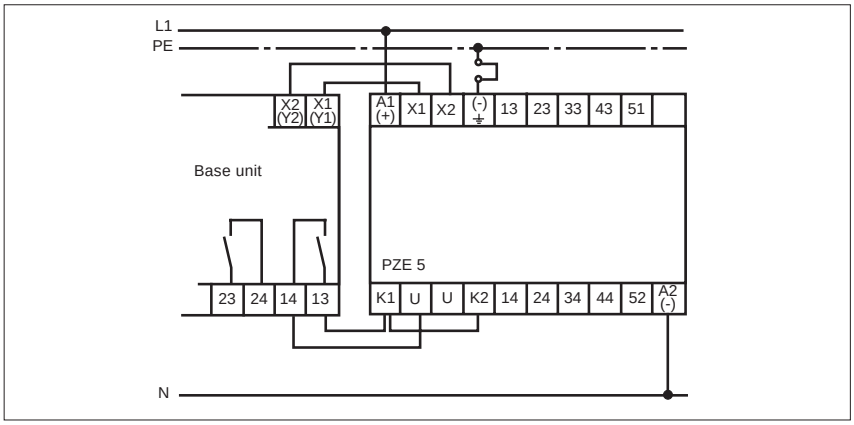
Instantaneous
PZE 5

Internal Wiring Diagram

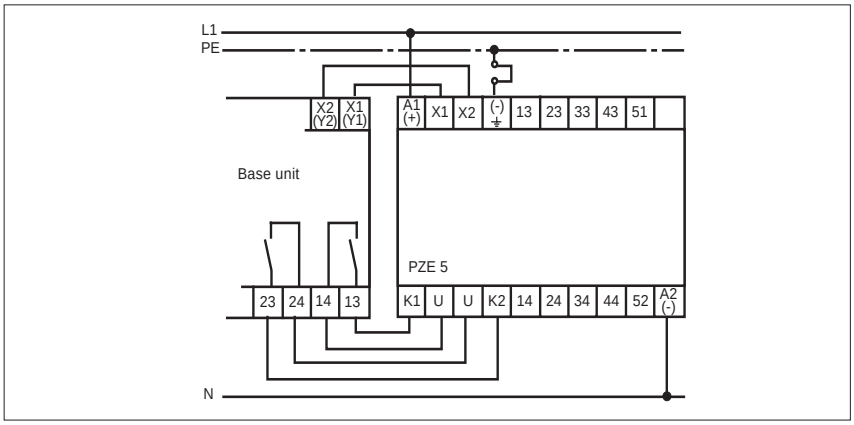


External Wiring

● Example 1
Single-channel operation



● Example 2
Dual-channel operation



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PZE 5

General Technical Data	
Unless stated otherwise in the technical details for the specific unit	
Electrical Data	
Frequency Range AC	50 ... 60 Hz
Residual Ripple DC	160 %
Contact Material	$AgSnO_2$
Continuous Duty	100 %
Environmental Data	
EMC	EN 50081-1, 01/92, EN 50082-2, 03/95
Vibration in accordance with EN 60068-2-6, 04/95	Frequency:10 ... 55 Hz, Amplitude: 0.35 mm
Climatic Suitability	IEC 60068-2-3, 1969
Airgap Creepage	DIN VDE 0110 part1, 04/97
Ambient Temperature	-10 ... +55 °C
Storage Temperature	-40 ... +85 °C
Mechanical Data	
Torque Setting on Connection Terminals	0.6 Nm (screws)
Mounting Position	Any
Housing Material	Thermoplast Noryl SE 100
Protection	Mounting: IP 54 Housing: IP 40 Terminal Range: IP 20

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