

Output expander

AZR 600 EO



- Expander module for contact expansion
- 6 enabling paths, Stop 0
- Control category 4 to EN 954-1 depending on the used safety relay module

Technical data

Standards:	IEC/EN 60204-1; EN 954-1; BG-GS-ET-20
Stop category	6x Stop 0 (depending on the connected safety relay module)
Control category:	max. 4 (depending on the connected safety relay module)
Enclosure:	glass-fibre reinforced thermoplastic
Connection:	plug-in, screw terminals
Cable section:	min. 0.6 mm ² , max. 2.5 mm ² solid or multi-strand lead (incl. conductor ferrules)
U _e :	24 VDC – 15 % / + 20 %, residual ripple max. 10%
I _e :	max. 0.10 A
Protection class:	terminals IP 20 enclosure IP 40 to EN 60529
Power consumption:	2.4 W
Max. fuse rating:	External protection of operating voltage: M 0.25 A
Drive circuits:	S14/A2: max. 28 VDC
Enabling contacts:	6 enabling paths
Utilisation category:	AC-15, DC-13
Switching capacity:	enabling paths: 6 A/230 VAC, 6 A/24 VDC
Fuse rating:	enabling paths: 6 A gG D-fuse
Max. switching frequency:	5 Hz
Contact material:	AgNi, AgSnO, self-cleaning, positive action
Contact resistance:	max. 100 mΩ in new condition
Pull-in delay:	≤ 30 ms
Drop-out delay:	≤ 20 ms
Air clearances and creepage distances:	DIN VDE 0110-1 (04.97), 4 kV/2
Overvoltage category:	III to DIN VDE 0110
Degree of pollution:	2 to DIN VDE 0110
Ambient temperature:	– 25 °C ... + 45 °C (Derating curve on request)
Mechanical life:	10 million operations
Weight:	870 g
Dimensions:	83 x 90 x 127 mm

Approvals



Ordering details

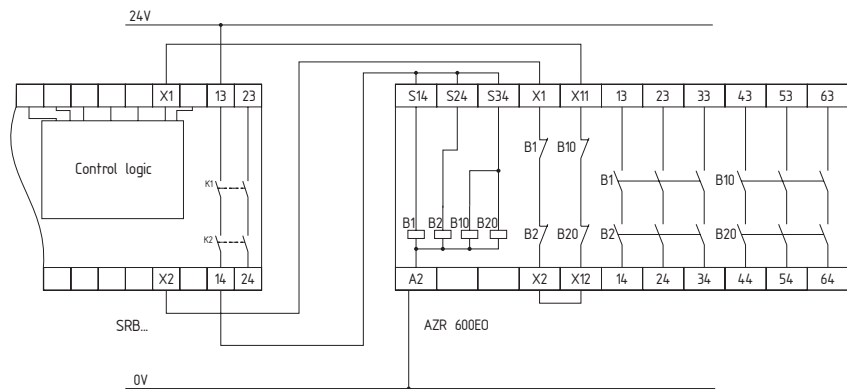
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Note

- Power level: 1-channel control of the expander module is suitable for contact reinforcement or multiplication of the connected safety relay module.
- Terminals X1 and X2 of the expander module must be connected to the feedback circuit or reset circuit of the safety relay module.

Wiring diagram



Note

The wiring diagram shows the control of the expander module by a SRB... safety relay module with the guard doors closed and in de-energised condition.