



Control devices for safety light barriers

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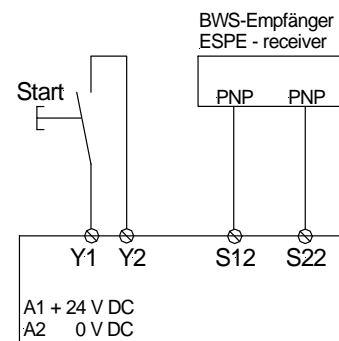
→ DEVICE	SAFE L.2
→ APPLICATIONS	Emergency stop relay for safety light curtains / barriers
→ APPROVALS	CE, TÜV, UL, C-UL
→ CONTACTS	3 normally open safety
→ SPECIAL CHARACTERISTICS	LED indicators for status and supply diagnostic Without opposite polarity between channels start control choosable by a extern bridge
→ LED	Power, channel 1, channel 2 and restart interlock
→ OPERATING VOLTAGE	24 V DC (electronic fuse)
→ POWER CONSUMPTION	ca. 2,5 W
→ START UP DELAY / FALLBACK TIME	<50 ms / <30 ms
→ CONTACT CAPACITY max.	6 A, 250 V AC, 24 V DC
→ CONTACT CAPACITY min. at 24 V DC (*)	10 mA
→ SIMULTANEITY	Simultaneous: ca. 40 ms
→ ENVIRONMENTAL TEMPERATURE	- 25 °C to + 55 °C
→ SWITCHING CAPACITY	1500 VA (resistive load)
→ CONTACT SECURITY	6 A quick acting or 4 A time lag

→ **OPERATING MODE**
(*) We offer all devices who have a CONTACT CAPACITY of min. 100 mA at 24 V DC with hard gold-plated contacts. In this way the CONTACT CAPACITY of min. 100 mA is only 4 mA. Please ask our sales team!

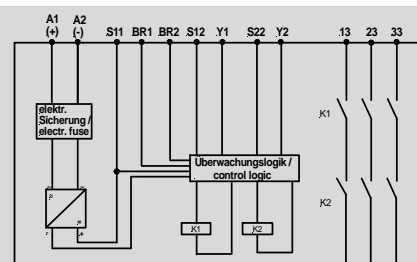
A supply voltage must be applied to terminals A1 and A2. The "Power" and "restart interlock" LED's illuminate. If this is done, a voltage of 24 V DC is available on the terminal S11. Terminals S12 and S22 must be wired as shown in the application examples. To start the module, the terminals Y1 and Y2 must be bridged over normally open contact. In the following the contacts 13-14, 23-24 and 33-34 are closed. The LED's of channel 1, channel 2 are illuminate and "restart interlock" must be switched off. In series to the start-button, wired on terminals Y1 and Y2, an external contactor can be controlled. Monitoring of the reset circuit can be configured by external bridge between terminals BR1 an BR2.

For version with detachable clamps (screw - or cage clamps) ... please ask our sales team!

→ **CONNECTION DIAGRAM**



→ **FUNCTION CIRCUIT DIAGRAM**



→ **Certifications according to Safety relevant substance data**
Depending on wiring (only max. achievable values are given)

EN ISO 13849-1: PLe, Cat. 4
MTTFd: 36,16 years / high, DC: 99% / high,
CCF: achieved