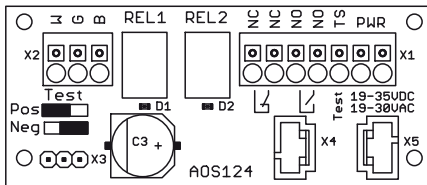


# Safety processing unit for opto edges Modul 4



## AOS 124 safety processing unit

- Safety category 2
- Optoelectronic safety edges
- Test input
- Reverse contact
- 2 LED-indicators

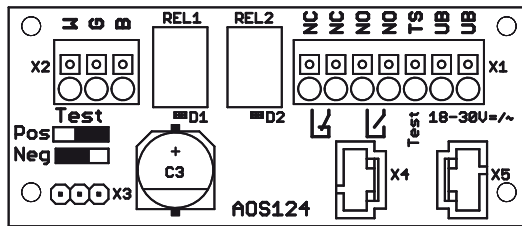
The AOS 124 was developed as an all-purpose control unit for optoelectronic safety edges.

The AOS 124 can easily be integrated into the control system as a safety device.

### Technical data

Power supply	19...35VDC 19...30VAC
Power consumption	<35mA without sensors The safety relay drops out max. 20ms after tripping and triggers again 100ms after the optoelectronic safety edge is enabled.
Sensor output	12VDC, regulated
Connection opto edge	terminal X2 W = 0V/GND G = Changeover signal/input B = +12VDC/max. 30mA
Test	positive or negative (jumper)
Categorie	DIN EN 954-1 categorie 2 with test and DIN EN 954-1 categorie 1 without test
Relay	Changeover contact, 125VAC, 60VDC, 0,5A
Indicators	2 yellow LED's, if both LED's illuminated normally open contact is closed
Operating temperature	-20...55°C
Degree of protection	IP65 can be guaranteed - in LAD2 housing by use of predefined cable outside diameters connection cable: $\varnothing 4.4 \pm 0,1\text{mm}$ SIGNAL: $\varnothing 3.4 \pm 0,1\text{mm}$ and professional assembling. - in LAD4 housing by use of predefined cable outside diameters connection cable: $\varnothing 4.4 \pm 0,1\text{mm}$ SIGNAL: $\varnothing 3.4 \pm 0,1\text{mm}$ and professional assembling.
Size	29x69mm (LxW)

# Safety processing unit for opto edges



## Terminal description



### Terminal X1-UB

Power supply AC or DC.

When using DC power supply polarity doesn't matter.

### Terminal X1-TS

test input, depending on jumper position:

Jumper	Test	Operation
positiv 	>10V	0V or open
negativ 	0V or open	>10V

When using AC power supply test is not possible, jumper must be in positive test position.

### Terminal X1-NO

Normally open output, is closed with uninterrupted light beam.

### Terminal X1-NC

Normally closed output, is closed with interrupted light beam. May be used to reverse the door.

### Terminal X2

Sensor connection, W (white)=ground, G (green)=output, B (brown)=power

### Terminal X4 und X5

Optional, sensor connection using Molex plug.

### Jumper X3

Test configuration, left position=positive test, right position=negative test.

Factory defaults=negative test.