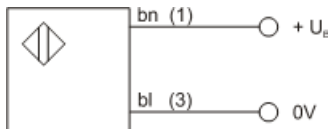


OYQ30200 / OYQ30203

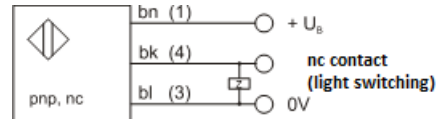
Light barrier

Electrical connection of the transmitter



bn= brown bl= blue

Electrical connection of the receiver



bn=brown bk=black bl=blue
clamp designation of the cable sockets in brackets

Installation

Install the transmitter and the receiver so that both devices are in one level. The light beam of the transmitter must hit the centre of the receiver optics.

If the light beam is interrupted by an object, the switching output of the receiver must be activated.

For easier mounting, the mounting brackets **AO000077** and **AO000078** are available.

LED display

There is a red and a green LED on the receiver.

The red LED signals that the switching output is active.

The green LED indicates that there is a safe switching process. It should be on when not switched on as well as when switched on.

If the green LED is not on or only blinks when the output is not switched, the transmitter and receiver must be readjusted to each other.

If the green LED is not on when the output is switched or only blinks, the object is too small.

Technical Data:

	OYQ30200	OYQ30203
Operating voltage	12 ... 24V DC	
Max. switching current	50mA	
Max. switching frequency	1kHz	
Range	150mm	1000mm
Smallest recognisable part*	Ø 1mm	Ø 2mm
Repeatability	≤ 0.05mm	
Ambient temperature	-25 ... +55°C	
Protection class	IP 67 according to EN 60529	
Connection	2m cable	
Transmitting element	LED red, clocked	

* only non-transparent objects!