

## OY41052A

### Optical sensors • Light curtains

light curtain, 2036x20x40mm, field height 2010, resolution 25mm, Sn: 0.3-8m, 22-26V DC, PNP/NPN Anticoincidence, Connector M12 4pin/4pin, IP65, Aluminum+PMMA



The multi-function light barriers are through-beam sensors where multiple beams are integrated. In case of interruption of only one beam, the switching output of the receiver changes its state. The devices are used where standard through-beam sensors with only one beam are not sufficient. There are devices with beam spacing of 20, 40, 60 or 120mm and different heights available. An integrated fuzzy logic controls the transmitting power automatically.

#### Electrical features

Resolution	25mm
Type of switching function	Exclusive-OR
Type of electrical connection	Connector M12
Type of switching output	PNP/NPN
Rated switching current	80mA
Short-circuit protection	Yes
No-load current, receiver	60mA
No-load current, transmitter	60mA
Number of pins, receiver	4
Number of pins, transmitter	4
Reaction time	4.8ms
Switching distance	300 - 8000mm
Reverse polarity protection	Yes
Operating voltage (DC)	21,6 - 26,4V

#### Mechanical features

Width	40mm
Sensor width	40mm
Field height	2010mm
Height	2036mm
Length	20.5mm
Degree of protection (IP)	IP65
Cover material	Plastic
Material of optical surface	PMMA
Housing material	Aluminum
Ambient temperature	-5 - 50°C

**Other features**

Explosion safety category for gas	none
Explosion safety category for dust	none
Scope of delivery	Transmitter and receiver
Ambient temperature	-5 - 50°C

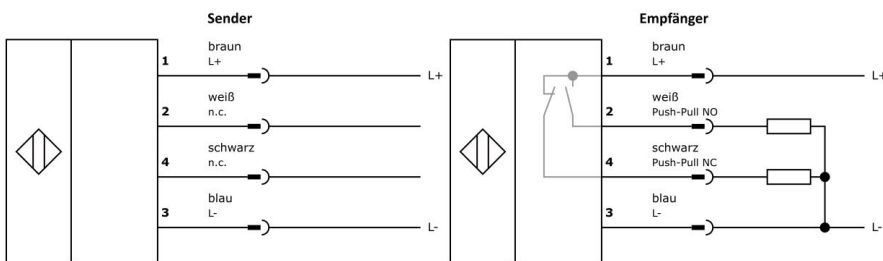
**Classification**

ETIM 8	EC002549 Light curtain
eClass 7.0	27270910
eClass 7.1	27270910
eClass 8.0	27270910
eClass 9.0	27270910
eClass 9.1	27270910

**More**

IPF Product Group	100 optical sensors
packaging dimensions	
gross weight	
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Installation**



Mounting / installation may only be carried out by a qualified electrician!

**Disposal**



**Safety warnings**

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

For suitable connection and mounting accessories, please refer to our website [www.ipf-electronic.com](http://www.ipf-electronic.com).

**Dimensional drawing**

