

USE OF THE SOMMER LIGHT BARRIERS



Drive system	4-wire light barriers	2-wire light barriers	Reflector light barriers	
Swing gate operators	twist 200 E	✓	-	✓
	twist 200 EL	✓	-	✓
	twist 350	✓	✓	✓
	twist XL	✓	✓	✓
Sliding gate operators	STArter/STArter ⁺	✓	-	✓
	SP 900/S 900	✓	✓	✓ (except #5233)
	RUNner	✓	✓	✓ (except #5233)
	SM 40 T	✓	-	✓
Roller door control units	DS 600/1200	✓	-	✓
	RDC 800	✓	✓	✓
	RDC Vision	✓	✓	✓
	sprint evolution	✓	-	✓
Garage door operators	duo vision	✓	-	✓
	duo rapido ⁺	✓	✓	✓
	S 9060 base ⁺	✓	✓	✓
	marathon figa SL	✓	-	✓
Industrial door operators	ASB-6010/ASB-6010A	✓	-	✓
	ASB-5014A	✓	-	✓
	GIGAcontrol A	✓	✓	✓

ACCESSORIES



Connecting cable (20 m)

- # 80134
- For light barrier # 7028V000
- Cross section 2 x 0.5 mm²
- Stripped 40 mm on both sides with 2 x 7mm wheel clamps per side



Universal mounting bracket in set

- # 1640V000
- For light barriers # 7020V000 and # 7023V000
- Bracket swivels (up/down)
- Light barrier can be rotated and moved on the bracket



Weather-proof housing

- # 7640V000
- For reflector and reflector light barriers # 5228 and # 5233

DE-EN #510161-00002-08/15 Subject to misprints, errors and technical changes.



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Photo barriers

Reliable and precise obstacle recognition

ALL LIGHT BARRIERS AT A GLANCE

Additional safety for your door

The light barriers are optimally suited in particular with automatically closing doors and gates in private and commercial areas as well as entrances and exits to car parks.

The one-way light barriers communicate from the transmitter to the receiver on one path. Both the transmitters and the receivers are required for this. **The advantage:** Precise adaptation of objects.

The special feature with the two-way reflector light barriers is that the transmitter and receiver are located parallel to each other in the same housing. The light beam is reflected by a reflector opposite to the light barrier. **The advantage:** Fast installation and easy installation.

One-way light barriers



One-way light barrier can rotate 180°, 4-wire

7029V000

- Flexible and versatile, since control boards can rotate 180 degrees
- No other mounting bracket necessary
- With relay output
- Suitable for outdoor installation

TECHNICAL DATA

Temperature range	-10 °C to + 60 °C
Nominal voltage	AC/DC 12-24 V
Range limit	20 m
Dimensions	37 x 105 x 35 mm
IP code	IP55



One-way light barrier for easy installation, 4-wire

7020V000

- Easy installation due to bracket for optimal alignment
- Setting tool with LEDs for optimal alignment of the light barrier
- Reflection suppression thanks to highly focused light beam means even small objects are reliably detected
- Suitable for outdoor installation

TECHNICAL DATA

Temperature range	-20 °C to + 70 °C
Nominal voltage	DC 15-35 V; AC 12-24 V
Range limit	10 m
Dimensions	50 x 90 x 36 mm
IP code (sensors)	IP44



One-way light barrier for wide range, 4-wire

5229

- Potential-neutral changeover contact
- Including mounting bracket
- Wide voltage range
- Very large range
- Suitable for outdoor installation

TECHNICAL DATA

Temperature range	-40 °C to + 60 °C
Nominal voltage	AC/DC 12-240 V
Range limit	90 m
Dimensions	65.5 x 90 x 25.8mm
IP code (sensors)	IP67



One-way light barrier for easy installation, 2-wire

7023V000

- Easy connection possible
- Easy installation due to bracket for optimal alignment
- No tools necessary to open the housing and for the electrical connection
- Suitable for outdoor installation

TECHNICAL DATA

Temperature range	-20 °C to + 70 °C
Range limit	8 m
Dimensions	50 x 90 x 36 mm
IP code (sensors)	IP44



Frame light barrier for small version, 2-wire

7028V000

- Can be installed through the bore hole directly in the frame
- Connection of SOMMER 2-wire system
- Only 2 wires needed on both sides
- Suitable for outdoor installation
- Different installation types possible, e.g. with or without housing, for suspension

TECHNICAL DATA

Temperature range	-20 °C to + 60 °C
Range limit	8 m
Dimensions	24.7 x 75 x 24.7 mm
IP code (sensors)	IP67

Two-way reflector light barriers

Only suitable for outdoor use under certain conditions



Two-way reflector light barrier, power supply only necessary on one side

5228

- With pole filter
- A second cable is not necessary
- Wide voltage range
- Potential-neutral changeover contact
- Including mounting bracket and reflector

TECHNICAL DATA

Temperature range	-40 °C to + 60 °C
Nominal voltage	AC/DC 12-240 V
Range limit	21 m
Dimensions	65.5 x 90 x 25.8mm
IP code (sensors)	IP67



Two-way reflector light barrier, power supply only necessary on one side

5233

- With pole filter
- A second cable is not necessary
- Wide voltage range
- Potential-neutral changeover contact
- Including mounting bracket and reflector

TECHNICAL DATA

Temperature range	-20 °C to + 60 °C
Nominal voltage	AC/DC 24-230 V
Range limit	14 m
Dimensions	65.5 x 90 x 25.8 mm
IP code (sensors)	IP67