



Brake Switch / Light Barrier

Brake Switch

Safety measures and information

Read carefully before putting into operation!

- Place the brake switch on the brake pedal with the logo facing upward. Although the brake switch will function on a flat surface with the logo facing downward, optimal performance can only be achieved with proper installation.
- The brake switch will retain full functionality when used on a rounded surface with a radius of up to 40 mm.
- DO NOT bend the brake switch in excess of the given radius of 40 mm. Bending the switch in excess of this recommended value (e.g. bending over edges) can result in loss of function.
- When used within the confines of the vehicle foot-well, the connecting cable should be laid above or beside the pedals.
- A bolster, which is placed on the switch surface assures uniform distribution of applied forces. The brake switch is waterproof. To avoid a damage to its surface, the brake switch should not come in contact with sharp objects.
- Affix the brake switch to the brake pedal using double-faced adhesive tape, positioned either at the bottom or side of the switch, or by attaching the ends of the switch to the pedal.
- Caution: Wrapping the brake switch with single-sided adhesive tape can exert sufficient pressure to activate the contact.



Light Barrier

Start and Stop Trigger

- Polarized reflection light barrier for long range in visible red light
- Robust plastic housing with protection standard IP 67
- Additional voltage range 10 .. 30 V DC with NPN switch output
- General bright/dark switching and sensitivity adjustment
- Connection via M12 round connector

Typical Technical Specifications

Range:	0.3 ... 8 m
Light source:	red LED, polarized, alternating light
Sensitivity:	adjustable
Operation mode:	selectable light/dark switching
Operating time:	500 µs
Switching frequency:	1 kHz
Displays:	LED green, ready to operate
Signal output:	NPN operating collector current 100 mA max.voltage > (U _B - 2 V); < 2 V
Guard circuit:	protection against interchanged polarity, transient voltage and short circuit at the output
Power supply U _B :	10 ... 30 V DC ripple frequency < 15 % of U _B
Power consumption:	at no-load < 40 mA
Neutral values for external light limit:	> 10 KLux
Stability to environmental conditions	
Temperature:	-20 °C ... +50 °C
Protection class:	IP 67
Vibration:	10 ... 55 Hz, max. 7.5 g
Shock resistance:	halfsine, 30 g, 11 ms
Housing material:	plastic, red
Weight:	150 g
Dimensions:	120 mm x 70 mm x 30 mm

Light barrier with accessories

Light barrier with 3pin Lemos connector	Art.no. 11356
Light barrier with 9pin DSUB socket	Art.no. 11357
Reflection foil, l = 22,8 m, w = 25 mm	Art.no. 11241
Reflection foil, l = 22,8 m, w = 50 mm	Art.no. 754009



Art. no.: see text

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CORRSYS-DATRON
www.corrsys-datron.com

International Headquarters
CORRSYS-DATRON Sensorsysteme GmbH
P.O. Box 1349 • 35523 Wetzlar / Germany
Phone: +49-6441-9282-0
Fax: +49-6441-9282-17
e-mail: sales@corrsys-datron.com

North American Headquarters
CORRSYS-DATRON Sensorsystems Inc.
40000 Grand River, Suite 503 • Novi, MI 48375 • USA
Phone: 248-615-2035 • Toll-free: 800-832-0732
Fax: 248-615-2184
e-mail: USA-sales@corrsys-datron.com

Chinese Headquarters
CORRSYS-DATRON Sensorsysteme GmbH - China
Room 610, JinTianDi International Mansion,
No. 998 RenMin Road, Shanghai (200021), P.R.China
Phone: ++86-21-63114144 • Fax: ++86-21-63114154
e-mail: Xiaoying.Li@corrsys-datron.com.cn