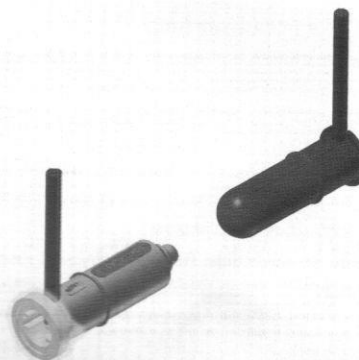


BARIERA FOTOOPTYCZNA

SIGNAL optoelectronic safety edge

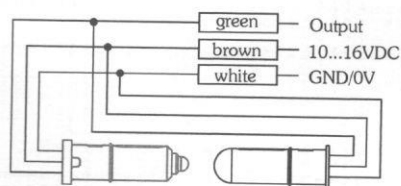
- integrated diagnostic system with a visual display
- LED indicator for switching state
- larger gate-width possible
- less sensitive to wind load and bending
- high electromagnetic interference immunity
- resistant against voltage reversal and short-circuits
- regulated transmit power
- compatible with all common gate controls



Technical data

range	1...12m	signal frequency	typ. 900Hz (0,5...2kHz)
operating voltage	10...16VDC, resistant against voltage reversal	housing material	transmitter, plastic ABS receiver, Lexan, IR transparent
current consumption	aprox. 40mA	wire	3x0,14mm ² , ø 3,4mm, PUR, halogen free, acid- and oil-resistant
type of light	infrared, 880nm pulsed	degree of protection	IP67 according to EN 60529, filled with 2K-epoxy resin
diagnostics display	yellow ring-shaped LED for rubber profile diagnostics, flashes with 1...16 impulses	operating temp.	-25...+75°C
operation display	yellow ring-shaped LED is on when safety edge is triggered	storage temp.	-25...+75°C
output	transistor-output, max. load 20mA, short-circuit-proof	weight	approx. 21g with 1m cable approx. 155g with 10.5m cable
output-level	rectangular signal low: 0...1V high: 3...5V	size	ø12x39mm

Terminal assignments



Declaration of conformity
EMC directive 2014/30/EU
EN 61000-6-2 and EN 61000-6-3
Safety devices for power operated
doors and gates
EN 12978



Diagnostics interpretation

The **SIGNAL** safety edge has a new diagnostic system innovatively integrated. To realise this, the transmitter has got an all around visible yellow ring LED.

When switched on, the optical values of the rubber profile are measured and indicated with a flash code with 1...16 impulses.

1 impulse is the best value and 16 impulses indicates, that the limit of the optoelectronic system is reached. After displaying the diagnostic value the **SIGNAL** changes to the normal operation mode. Now the triggering of the safety edge is displayed by the LED.

Always after switching on the power:

- 1...6 flashes = optimal condition
- 7...14 flashes = good condition
- 15...16 flashes = operational limit reached

Size

