

important  
information for your  
electrical workshop

 **di-soric**

**SENSORS IN ACTION**



## ◆ High-performance through beam sensor



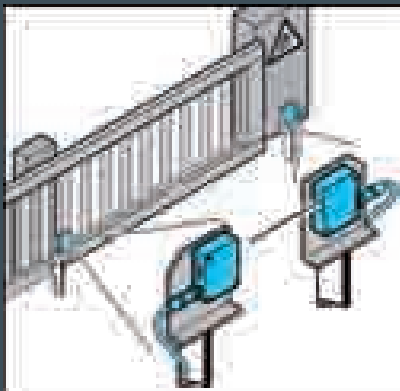
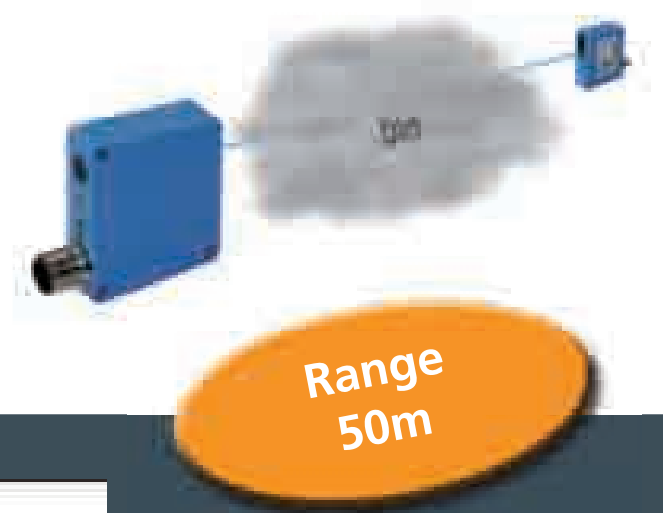
## Fog, dust, dirt... no problem!

- Very high functional reserve and contamination indicator
- Large range of up to 50m
- Switchable transmitting reflected ray angle
- Adjustable transmitting power
- Bright alignment aid via LED in receiver optics
- Integrated evaluation electronics
- Light/dark switching, push-pull power stage

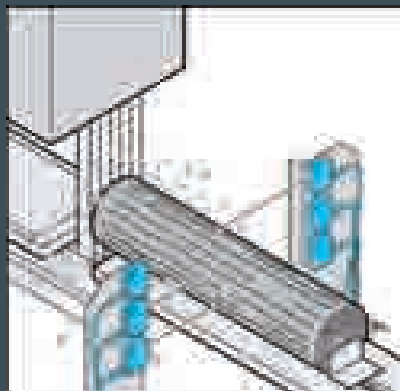
## The right perspective

The innovative di-soric high-performance through beam sensors OSP/OEVP 50... perform with absolute reliability even in the harshest ambient conditions. A changeover switch allows the user to choose between a short-range transmitter with a broad reflected ray angle for straightforward alignment or an alternative transmitter with a narrow reflected ray angle for larger ranges.

To simplify matters in setup mode, the light barrier's receiver OEVP 50 ... signals the quality of the alignment using an LED indicator visible from a distance. The receiver is equipped with an adjustable NC/NO contact function and a push-pull power stage for PNP and NPN.



Gate monitoring



Checking thickness of log

All technical data correct in March 2007.  
Subject to change.

Errors and printing errors cannot be excluded. We therefore accept no responsibility for the correctness of the information provided.

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**Technical data (typ.)**

at + 20 °C, 24 V DC

Emitted light		infrared 870 nm, clocked
Operating distance, switchable		20 m at 15° opening angle 50 m at 6° opening angle
Transmitting power adjustment		100 ... 0 % 4-turn potentiometer
Service voltage	10 ... 35 V DC	10 ... 35 V DC
Operating output	push-pull pnp/npn, NO/NC switchable	
Current carrying capacity	200 mA	
Internal power consumption	40 mA	55 mA
Voltage drop	2,0 V	-
Operating frequency	20 Hz	-
Ambient temperature	-10 ... +60 °C	-10 ... +60 °C
Ambient light immunity	15.000 Lux (sunlight) 2.000 Lux (clocked light)	-

Insulation voltage endurance	500 V	500 V
Protection class	IP 67	IP 67
Casing material	die-cast zinc, lacquered finish	die-cast zinc, lacquered finish
Window material	PMMA	PMMA

**Purchase Order Table**

**Typ**

**Typ**

	Receiver	Transmitter
	<b>OEVP 50 M 50000 G3LK-IBS</b>	<b>OSP 50 M 50000-IBS</b>
<b>Mounting bracket</b>	<b>BW 50</b>	<b>BW 50</b>
<b>Connecting cable (sep. data-sheet)</b>	<b>VK ...</b>	<b>VK ...</b>