

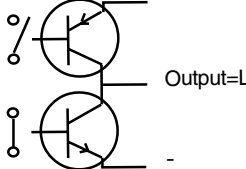
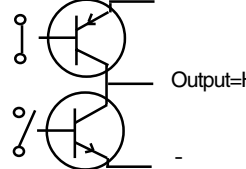
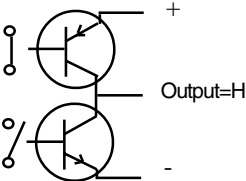
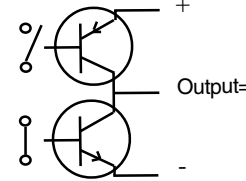
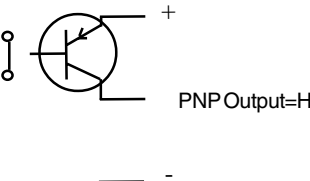
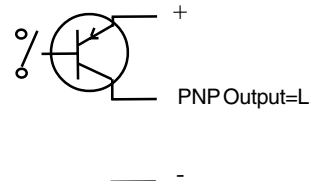


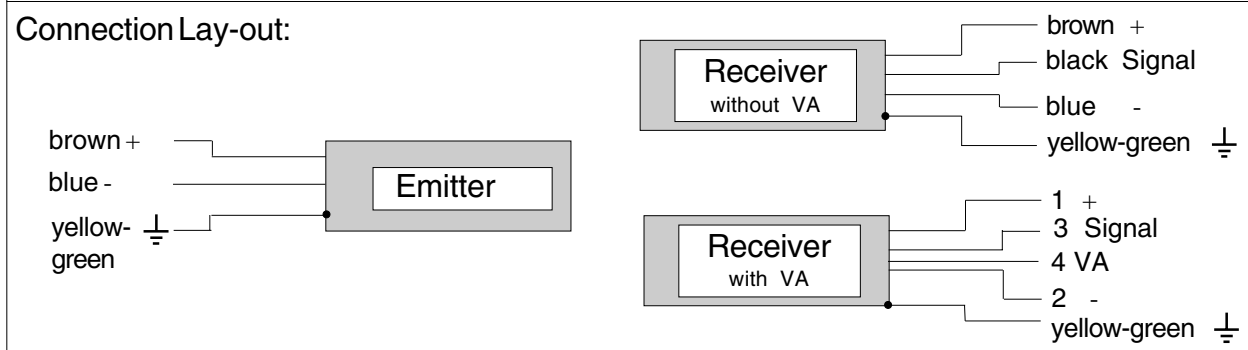
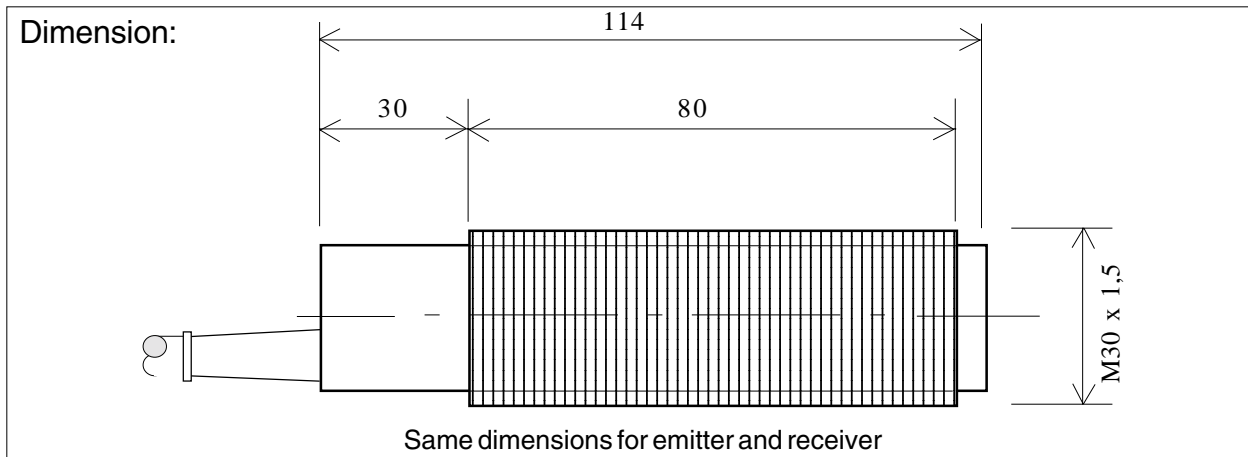
Light Barrier IRL-25-SE / IRL-50-SE



ISO 9001

- Antivalent-output N- or P
- Also available with pollution output signal (VA, optional)

Technical Data	IRL-25N-SE IRL-25P-SE	IRL-50N-SE IRL-50P-SE
Designation	S: Emitter / E: Receiver	
Operating Distance	25m	50m
Supply Voltage	20-28 VCC / Ripple max. 10%Vs	
Current consumption	Emitter: 40mA / Receiver: 25mA	
Power Dissipation	Emitter: 1.12W / Receiver: 0.7W	
Max. Load Output	100mA	
Light Source	Infrared 880 nm	
Operating Frequency	50 Hz	
Reaction Time	10 ms	
Housing	M30, Yellow brass, nickel plated	
Output	Antivalent (Push-Pull), short circuit resistance	
Ambient Temperature TA	-20°C ... +60°C	
Enclosure Rating	IP 65 according to EN 60529	
Cable	Emitter: 2+PE x 0,5mm ² / L: 3m Receiver: 3+PE x 0,5mm ² / L: 3m	
Accessories	2 clamps M30 (or 4 nuts M30)	
Options	- Pollution signal output VA, designation: IRL-...-E-VA - Operating frequency 1kHz	
Modus and LED display	 Light beam not interrupted LED ON	 Light beam interrupted LED OFF
IRL-...N-E Output N	 Output=L -	 Output=H -
IRL-...P-E Output P	 Output=H -	 Output=L -
IRL-...-E-VA Pollution output signal VA (Option)	 PNP Output=H -	 PNP Output=L -



Operating Manual

Mounting description

The connection scheme is to observe. The light barriers must only be used with the voltage shown on the identification label. The connection cable must not be installed parallel to high voltage cables.

Function

P-Mode:

If the light beam is not interrupted and the LED at the receiver is ON, the output switches to high "+". If the light beam is interrupted the LED is OFF and the output switches to low "-".

N-Mode:

If the light beam is not interrupted and the LED at the receiver is ON, the output switches to low "-". If the light beam is interrupted, the LED is OFF and the output switches to high "+".

Output

The output of the receiver is a push-pull type. The load can be connected to plus or minus.

Maintenance

The light barrier IRL-...-S/E does not require any special maintenance. Should the sensor lenses become dirty, they should be cleaned by a non aggressive medium. Equipment should only be repaired or serviced by the manufacturer.

Safety information

Should the sensor cable be broken or the sensor in any way becomes defect, the output may show any mode. When installing and operating the light barrier, it is necessary to take into consideration the relevant regulations.

Standards met:

EN 50081-1/-2, EN 50082-1/-2,

Machine directives: 89/392/EWG, 93/68/EWG

Low voltage directives:

73/23/EWG, 93/68/EWG

EMC: 89/336/EWG, 91/263/EWG, 92/31/EWG, 93/68/EWG

General notes

We reserve the right to modify our equipment. The light barriers are designed such way, that it has the least possible adverse effect on the environment. It neither emit or contain any damaging or siliconized substances and use a minimum of energy and resources. No longer usable or irreparable units must be disposed of in accordance with local waste disposal regulations.

IRL_e1/SEP.12,00/TB/HW

Groupe

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