More Protection, Less Space

++ Compact ++ High Performance ++ Flexible ++

Intelligent Photo Eye with Integrated Controller

The ELS 263 through beam sensor is a very inexpensive monitoring element for automatic sliding doors, elevator doors, or for the automatic start of escalators and travelators. ELS 263 is a through beam sensor with built-in controller. They consist of a transmitter and receiver head which have diameters of just 12 mm. If an object is detected between the transmitter and receiver, an output signal is triggered. ELS 263 is very quickly installed thanks to the integrated "Snap-In" mechanism on the housing: Simply ‘snap’ the emitter and receiver into a 12.5 mm hole. That’s it. The ELS 263 is immediately ready for operation. They are extremely compact and are ideal for direct integration in door frames, elevator doors and practically everywhere, where space is limited.

ELS 263:
High performance, from simple to most complex applications

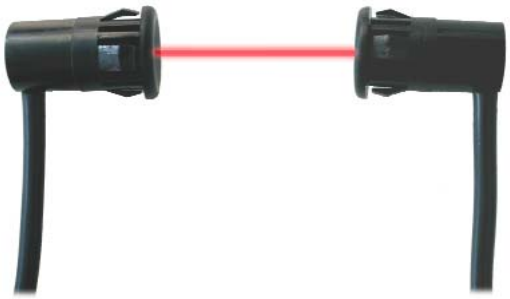
Application areas:

- Safeguarding of automatic sliding doors
- Safeguarding of elevator doors
- Safeguarding of vertically closing gates
- Auto-Start of escalators and travelators
- Or any application where an inexpensive through beam sensor is needed
- ... and many more

CEDES

More than you expect!

ELS 263 through beam sensor



ELS 263 through beam sensor

ELS 263 at a glance!

The use of the newest microchip and microprocessor technology enable a very large operating range and interference resistance. The reliable operation is not influenced even by direct insolation up to 100'000 Lux. All the electronics, with photo receiver, signal processing, microprocessor and the short circuit-proof transistor output are integrated in the sensor heads. An external controller is not required, which heavily reduces the total cost.

The CEDES 'Y'-connector enables the unique possibility of combining multiple ELS 263s into a network, without needing an external control unit. Complex detection applications can thus be inexpensively and reliably created.

The high enclosure rating of IP67 allows the realization of outdoor applications. The device is completely protected against the permeation of moisture and dust.

The advantages of ELS 263

- No controller required
- Can be used with controllers with negative and positive logics
- Diagnosis on-site possible
- Simple mounting: Snap-in to a 12 -13 mm diameter drill-hole
- For indoor or outdoor applications
- Extremely insensitive against direct insolation
- Excellent detection certainty even in harsh conditions
- Compact design
- Plug and Play
- PNP or NPN output, light or dark switching available
- CEDES-ASIC with Flip-Chip technology
- Reduced time expenditure for wiring, as controller is built-in

Technical Data

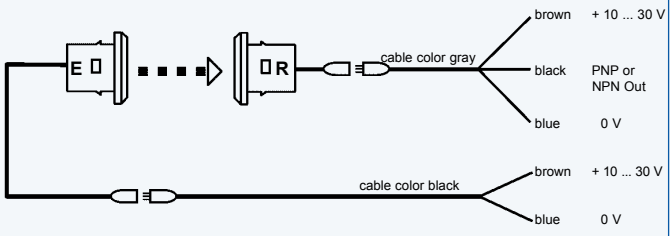
CE

2

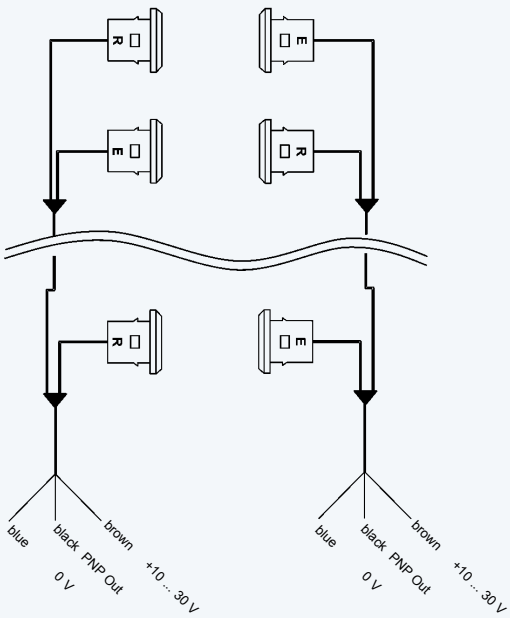
EN 954

Supply voltage	10 ... 30 VDC
Operating range	0.5 m...6 m or 0.2 m...2 m
Output	NPN / PNP
Aperture angle	
- Transmiter	± 5° @ 3 m
- Receiver	± 20° @ 3 m
Max. ambient light	100'000 Lux
Enclosure rating	IP67
Temperature range	-20 ... +60°C

Principle ELS 263



Principle ELS 263 Network



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