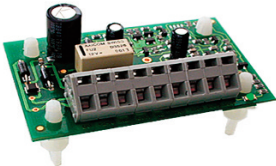


ELS 261 product family

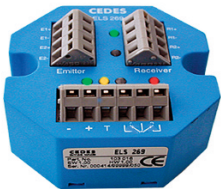
... guarantees safer doors!



ELS 261



ELS 268



ELS 269

Features

ELS 261 sensor

- Operating range: 6 m / 10 m
- Compact design
- Enclosure rating: IP65 / IP67
- Max. ambient light: 100,000 Lux
- Cable or plug versions

ELS 268 / ELS 269 control units

- Potential-free relay outputs
- Microprocessor control
- First-class electromagnetic compatibility
- Test input for safe evaluation (ELS 269 only)

Technical data

Mechanical (sensor)

Enclosure rating	IP65 (with plug) IP67 (with cable)
Temperature range	−20 °C ... +65 °C

Electrical (sensor)

Supply voltage U _{SP}	10 ... 30 VDC
Current consumption Tx	12 mA at 20 V
Current consumption Rx	10 mA at 20 V
Cable Tx	Two-wire cable / male 2-pin plug and M8 plug
Cable Rx	Two-wire cable / male 2-pin plug and M8 plug
Jacket color Tx	Black
Jacket color Rx	Gray
Cable length	0.1 m / 0.3 m / 5 m
Cable diameter	Ø 2.5 mm
Cable material	PVC (UL 758/2919)

Optical

Operating range	0.5 ... 6 m / 0.5 ... 10 m
Aperture angle Tx	±10°
Aperture angle Rx	±10°
Max. ambient light	100,000 Lux

Mechanical (control units)

Enclosure rating	IP00 (ELS 268) IP20 (ELS 269)
Temperature range	−20 °C ... +65 °C

Electrical (control units)

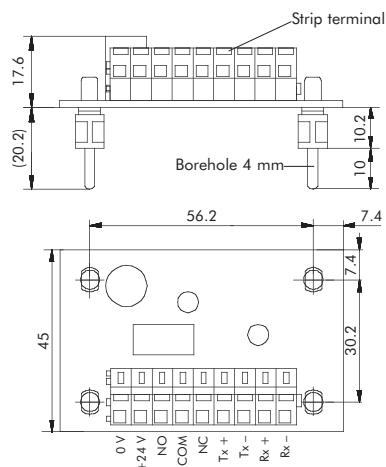
Supply voltage U _{SP}	18 .. 30 VDC / 24 V ± 20% AC
Current consumption ELS 268	60 mA, 130 rms / 400 mA peak
Current consumption ELS 269	80 mA, 150 rms / 500 mA peak
Relay outputs	ELS 268: NC / NO ELS 269: NC 125 VAC / 0.5 A 30 VDC / 1 A min. 10 mA
Rise-/fall time ELS 268	< 10 ms / < 10 ms
Rise-/fall time ELS 269	< 10 ms / < 200 ms

General

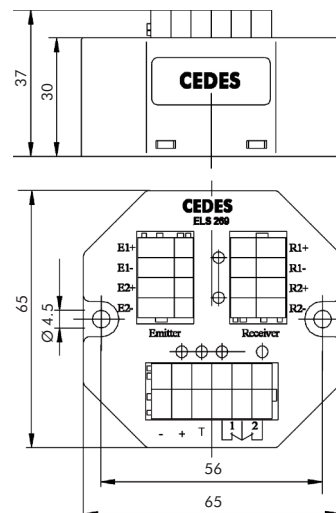
EMC emission	EN 50081-1, EN 50081-2
EMC immunity	EN 50082-1
Vibration	IEC 60068-2-6 (ELS 268 / 269)
Shock	IEC 60068-2-29 (ELS 268 / 269)
Certificate	CE
RoHS	2011/65/EU

Dimensions

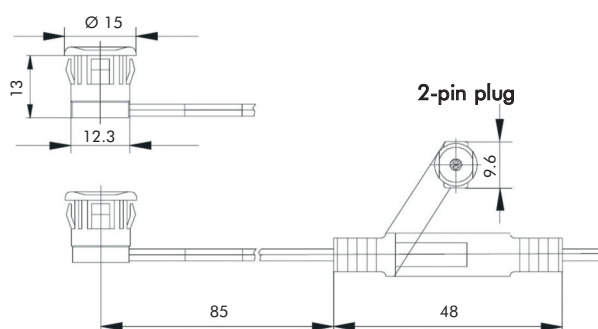
ELS 268 control unit



ELS 269 control unit



ELS 261 sensor



ELS 261 sensor mounting

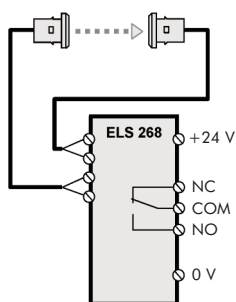
Plate thickness	Mounting hole		
	Ø 12.5 mm	Ø 13 mm	Ø 13.5 mm
> 1.25 mm	✓	✓	✗
> 1.50 mm	✓	✓	✗
> 2.00 mm	✓	✓	✓
> 2.50 mm	✗	✓	✓

✓ = good ✗ = insufficient

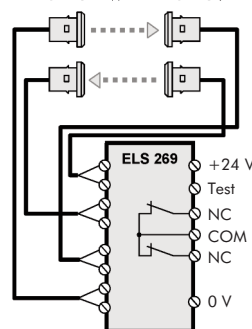
(All dimensions in mm)

Block diagrams

ELS 261 with ELS 268



ELS 261 with ELS 269



Ordering information

Part no.	Type	Description
104 687	ELS 261 Tx	ELS 261 Emitter, operating range 6 m, 0.1 m cable with 2-pin plug, male
103 758	ELS 261 Tx	ELS 261 Emitter, operating range 10 m, 0.1 m cable with 2-pin plug, male
103 759	ELS 261 Rx	ELS 261 Receiver, 0.1 m cable with 2-pin plug, male
111 277	ELS 261 Tx	ELS 261 Emitter, operating range 6 m, 0.3 m cable with M8 plug
111 278	ELS 261 Rx	ELS 261 Receiver, 0.3 m cable with M8 plug
102 863	ELS 261 Tx	ELS 261 Emitter, operating range 6 m, 5 m two-wire cable
102 864	ELS 261 Rx	ELS 261 Receiver, 5 m two-wire cable
103 021	ELS 268	Control unit (NO/NC) for connection with one ELS 261, without test input
103 016	ELS 269	Control unit (NC) for connection with two ELS 261, with test input
102 893	Tx Cable ELS 261	Connecting cable, 2-pin connector, 5 m, female
102 894	Rx Cable ELS 261	Connecting cable, 2-pin connector, 5 m, female

Other configurations on request