

## PHOTOELECTRIC SENSORS

**SICK**  
Sensor Intelligence.



Illustration may differ



## Ordering information

Type	part no.
ACIM1-N2221	1057381

Other models and accessories → [www.sick.com/](http://www.sick.com/)

## Detailed technical data

### Mechanics/electronics

<b>Supply voltage</b>	85 V AC ... 250 V AC
<b>Mains frequency</b>	50 Hz, 60 Hz
<b>Output current <math>I_{\text{max}}</math></b>	≤ 200 mA
<b>Input</b>	NPN
<b>Connection type</b>	Cable with female connector, M12, 4-pin, 0.2 m
<b>Circuit protection</b>	C <sup>1)</sup> D <sup>2)</sup>
<b>Enclosure rating</b>	IP65
<b>Items supplied</b>	Mating connector supplied separately
<b>Input current <math>I_i</math> max.</b>	≤ 100 mA
<b>Ambient operating temperature</b>	-30 °C ... +60 °C
<b>Ambient temperature, storage</b>	-40 °C ... +75 °C

<sup>1)</sup> C = interference suppression.

<sup>2)</sup> D = outputs overcurrent and short-circuit protected.

### Certificates

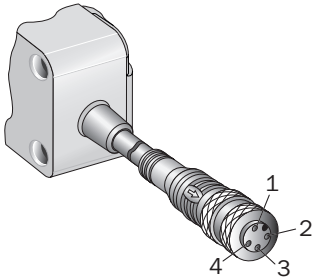
<b>EU declaration of conformity</b>	✓
<b>China RoHS</b>	✓

### Classifications

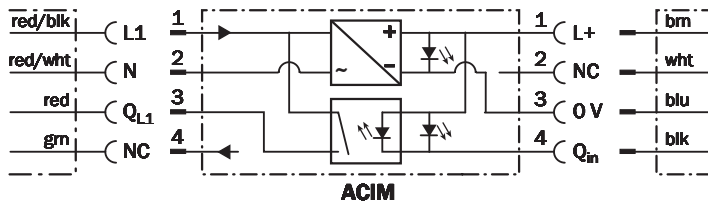
<b>ECLASS 5.0</b>	27270790
<b>ECLASS 5.1.4</b>	27270790
<b>ECLASS 6.0</b>	27270790
<b>ECLASS 6.2</b>	27270790
<b>ECLASS 7.0</b>	27270790
<b>ECLASS 8.0</b>	27270790
<b>ECLASS 8.1</b>	27270790
<b>ECLASS 9.0</b>	27270790
<b>ECLASS 10.0</b>	27270790
<b>ECLASS 11.0</b>	27270790
<b>ETIM 5.0</b>	EC001852

<b>ETIM 6.0</b>	EC001852
<b>ETIM 7.0</b>	EC001852
<b>ETIM 8.0</b>	EC001852

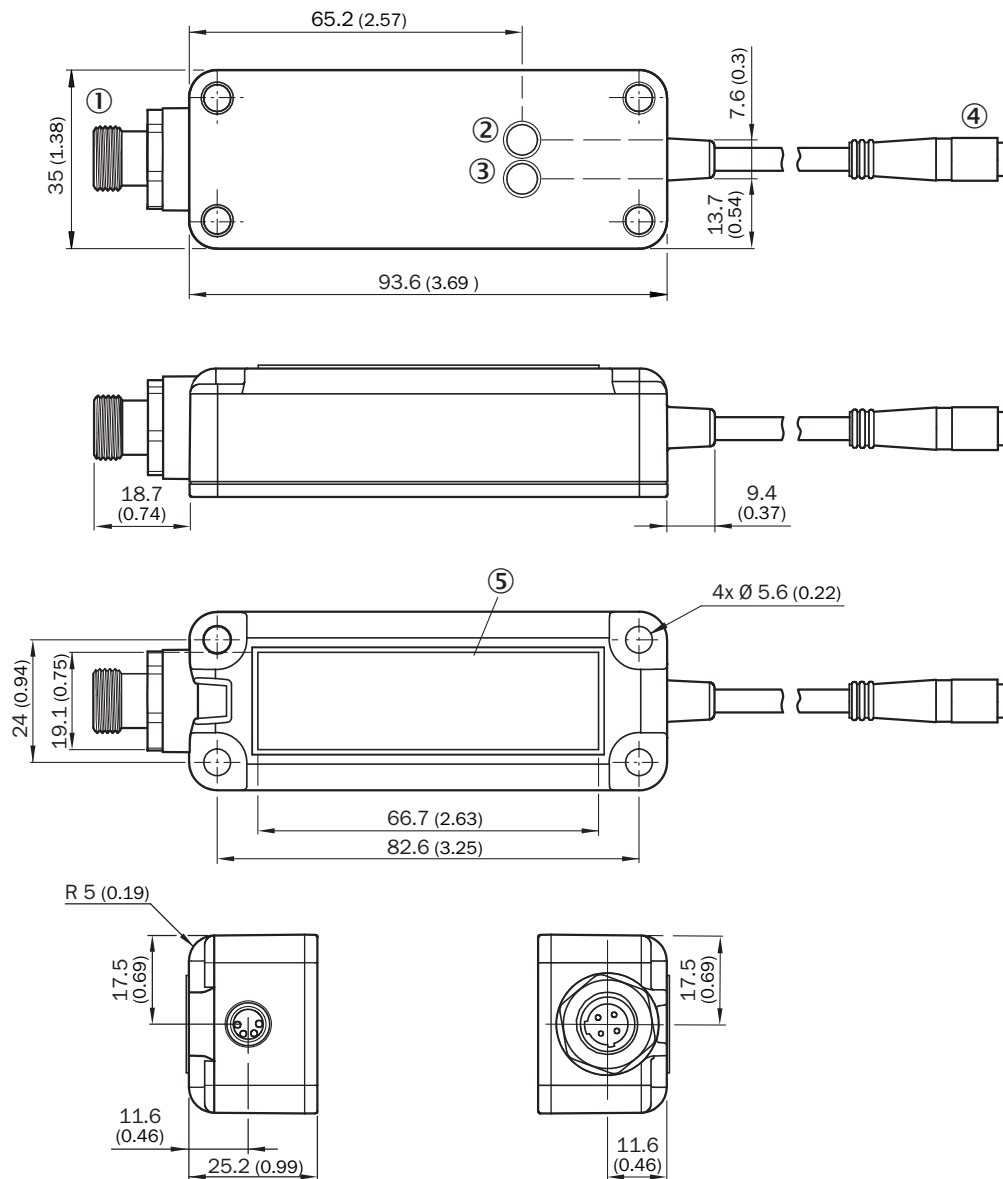
### Connection type



### Connection diagram



### Dimensional drawing



Dimensions in mm (inch)

- ① AC input power, switch output
- ② green LED indicator: DC output voltage
- ③ Orange LED indicator : DC switch input present
- ④ DC output power, switch input
- ⑤ Magnet

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

**For us, that is “Sensor Intelligence.”**

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)