



Product designation

SSF

Product type designation

RFID safety  
sensor

### General characteristics

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Coding type

Generic

Switching distance

mm

10mm (X axis);  
5mm (Y axis);  
5mm (Z axis)

### Contact characteristics

Type of contact

OSSD

### Auxiliary supply

Nominal auxiliary voltage supply

24VDC

Operating range

V

19...28

Insulation voltage

kV

0.3

### Input characteristics

Number of inputs

Nr.

2

Start/Restart inputs and EDM

nr.

1

### Output characteristics

Number of safe OSSD outputs

nr.

2

Number of feedback outputs

Nr.

1

Output contacts ratings

300mA

### Safety parameters

ISO 13849-1 security category

Cat. 4

ISO 13849-1 performance level

PLe

### Mechanical features

Cable connection

M12 Pigtail  
connector 15cm

Fixing

Both directions

Weight

g

56

### Ambient conditions

Protection degree

IP67 and IP69K

Pollution degree

2

Temperature

Operating temperature

min

°C

-25

max

°C

+70

Storage temperature

min

°C

-25

max

°C

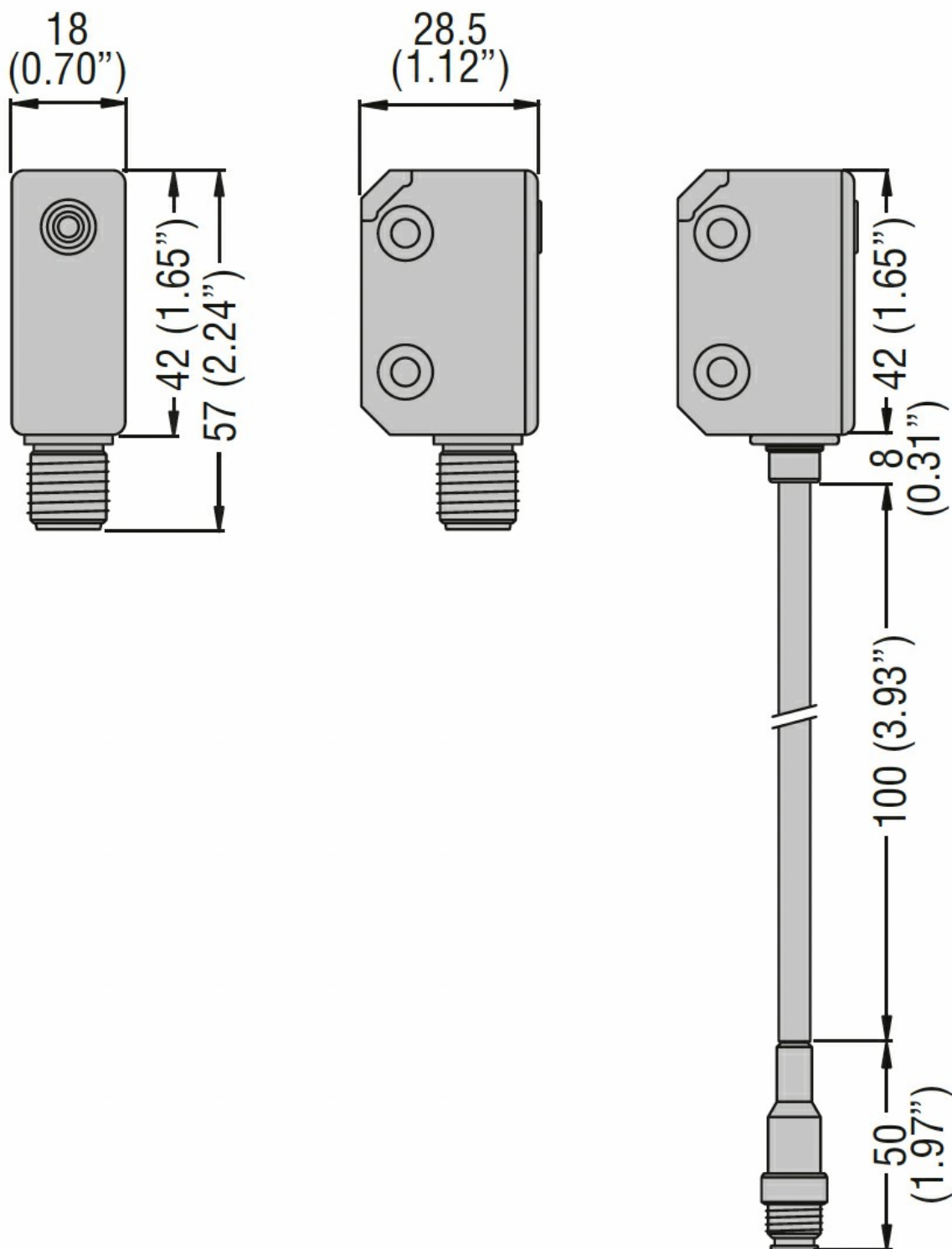
+70

Relative humidity

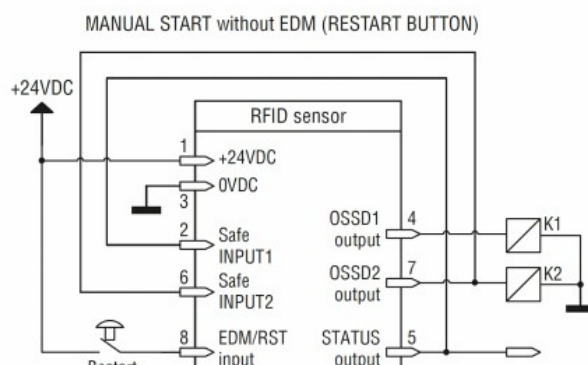
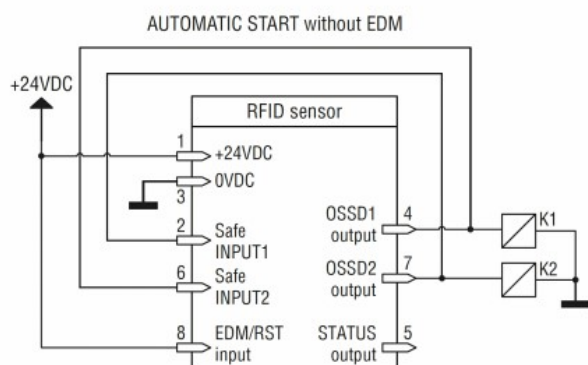
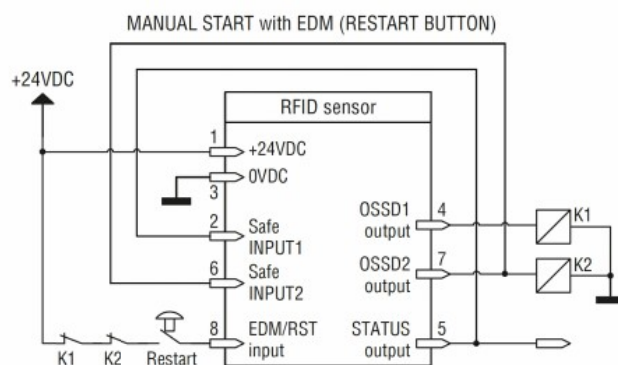
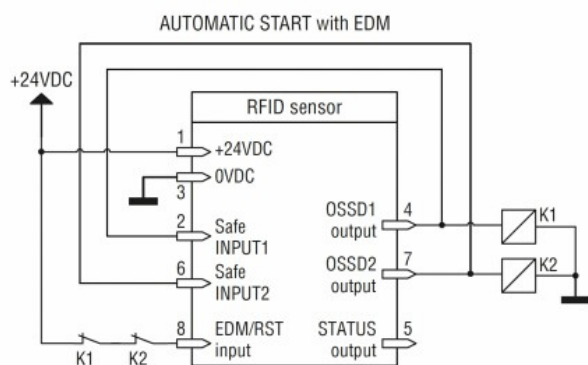
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### Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

Cat. 4

EN/BS 61508-1(SIL 3)

EN/BS 61508-2 (SIL 3)

EN/BS 61508-3 (SIL3)

IEC/BS 62061 (max. SIL 3).

PLe according to EN/BS 13849-1

### Certificates

cULus

TÜV

## ETIM classification

ETIM 8.0

EC001449 -  
Device for  
monitoring of  
safety-related  
circuits