



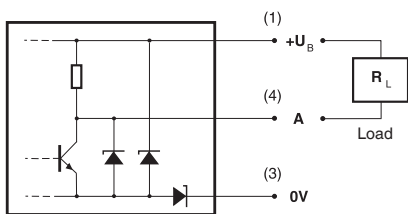
Reflex sensor

NPN type - Output dark-ON

Part number **C18P-AN-1E**

Sensing range **2'000 mm**

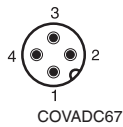
Wiring



$U_B$  10 ... 36 VDC  
 $I_A$  200 mA max.

Window glass  
A dark-ON

Pin assignment (view of the device) :



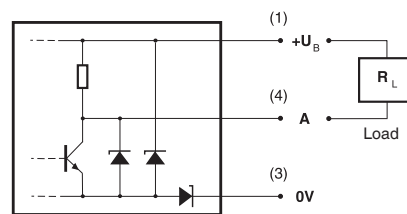
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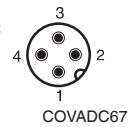
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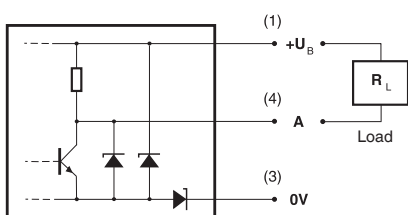
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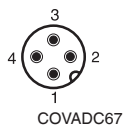
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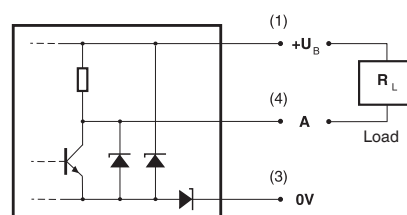
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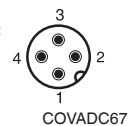
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Window glass  
A dark-ON

Pin assignment (view of the device) :



## Mounting recommendations

### Mounting

Mounting is possible in any position. For devices with threaded M18 housing, the use of the 2 supplied nuts is recommended. The maximum tightening torque of 20 Nm must not be exceeded.

### Environment

Any deposit on the window reduces the operating distance. The mounting position should be chosen, whenever possible, in order to prevent dust deposits (optical face not facing upwards) and so that liquids cannot reach the window. Furthermore, accessibility for cleaning should be provided.

### Cable

The standard cable (PVC) is not suitable for use in environments containing oil or solvents, nor for repeated bending. In these cases, versions with highly flexible PUR cables are recommended.

### Alignment

First, mount the reflector in the desired position and mask its surface with adhesive tape, so that only about 25% of its total surface remains visible. Then, align the optical axis of the sensor with the reflector, and fasten the sensor. Make sure that the reflector is at 90 degrees to the optical axis of the sensor. Last, check for reliable switching (see under "Distance setting"). The adhesive tape can now be removed.

### Distance setting

The operating distance is fixed and cannot be adjusted by the user. For reliable operation, the green LED (excess-gain indication) must light up. The yellow LED indicates the output state.

### Cleaning

For cleaning, a soft cloth moistened with isopropanol or soapy water is recommended.

## Important notice

**These proximity switches must not be used in applications where the safety of people is dependent on their functioning.**

For further information, please refer to the catalog.

This product is protected by one or several of the following US patents: 5 182 612, 5 767 444, 5 675 143, 5 764 351, 6 031 430, 6 130 489, 6 133 654, 6 133 988. Further patents pending.

CORADC67

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