



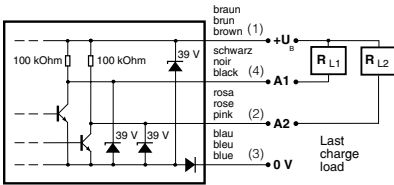
Amplifier for synthetic optical fibers

NPN type - light/dark-ON output

Part number **DFP-AN-1A**

Sensing range (on mat white paper) **200 mm**  
with CF-DB1-20

Wiring



$U_B$  10 ... 30 VDC  
 $I_A$  200 mA max.

Housing PBTP

A1 light/dark-ON  
A2 excess gain

COVADC122



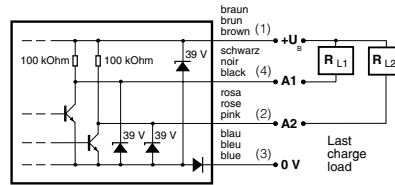
Amplifier for synthetic optical fibers

NPN type - light/dark-ON output

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Wiring



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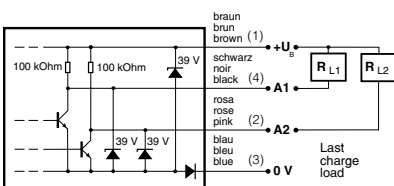
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with CF-DB1-20

Wiring



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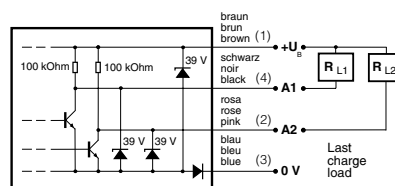
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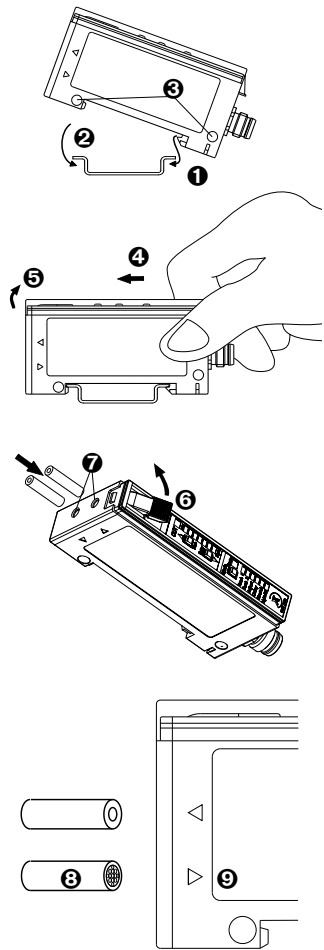
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### Device mounting

- ▶▶ Mounting of the device is most easily effected by snapping **1** / **2** onto a top-hat rail (according to DIN / EN 50022).
- ▶▶ Alternatively, fixing can be effected using M3 screws through the fixing holes **3** provided.
- ▶▶ To remove the device from the rail, push towards the optical fiber **4**, and lift **5**.

### Fixing the optical fibers

- ▶▶ Lift catch **3**.
- ▶▶ Insert the optical fibers through the two holes **7** provided into the device.
- ▶▶ Lower catch **6**.

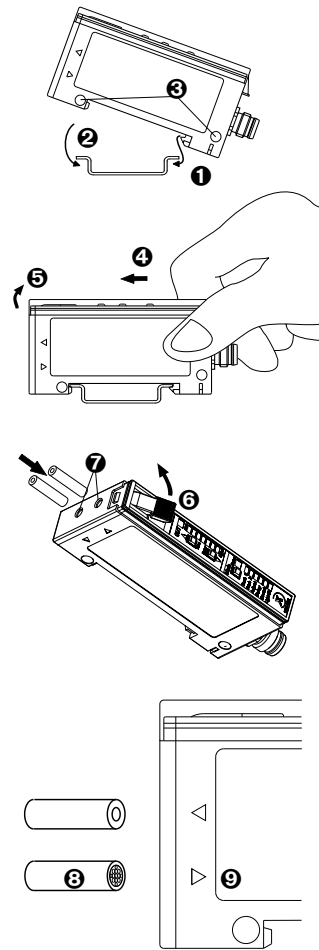
### Important:

- ▶▶ When inserting the optical fibers, the resistance of the device's internal O-ring seal must be overcome.
- ▶▶ The optical fibers must be fed right to the stop without fail.
- ▶▶ The optical fibers must not be crushed.
- ▶▶ The sequence (emitter / receiver) is usually immaterial, however:
- ▶▶ With coaxial optical fibers, the optical fiber bundle **3** must be connected on the receiver side **9**. The emitter and receiver openings are marked with arrows on the housing.



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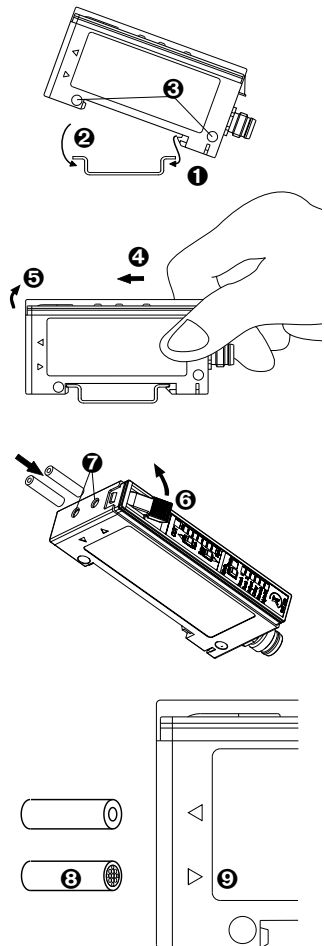
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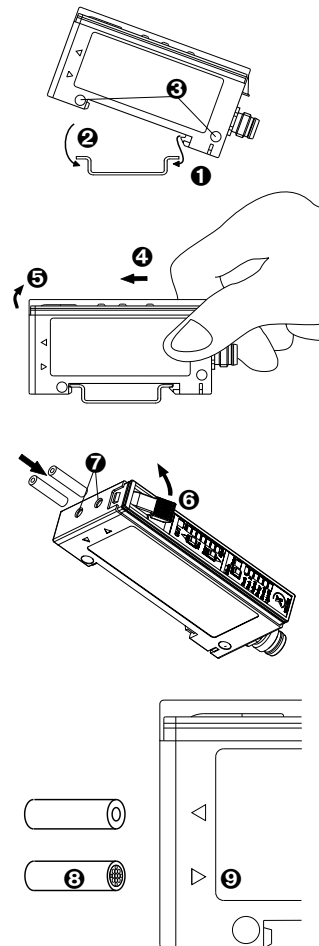
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Amplifier for synthetic optical fibers

NPN type - light/dark-ON output

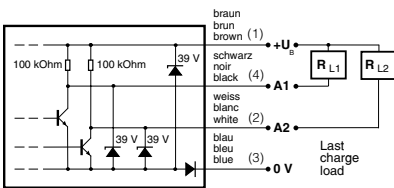
Part number

**DFP-AN-1F**

Sensing range (on mat white paper)  
with CF-DB1-20

**200 mm**

Wiring



$U_B$  10 ... 30 VDC  
 $I_A$  200 mA max.

Housing PBTP

A1 light/dark-ON  
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Pin assignment (device) :



COVADC122



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NPN type - light/dark-ON output

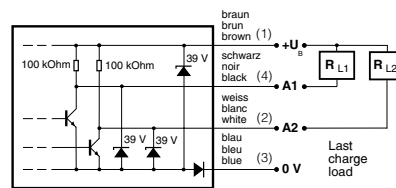
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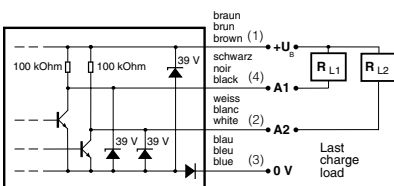
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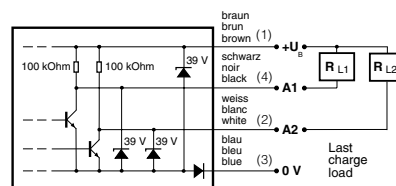
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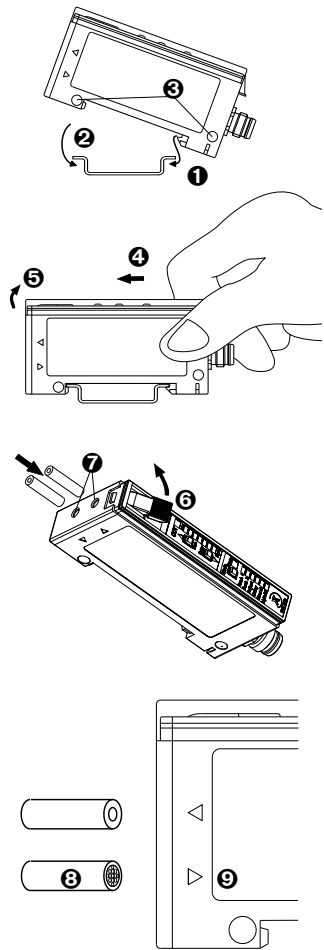
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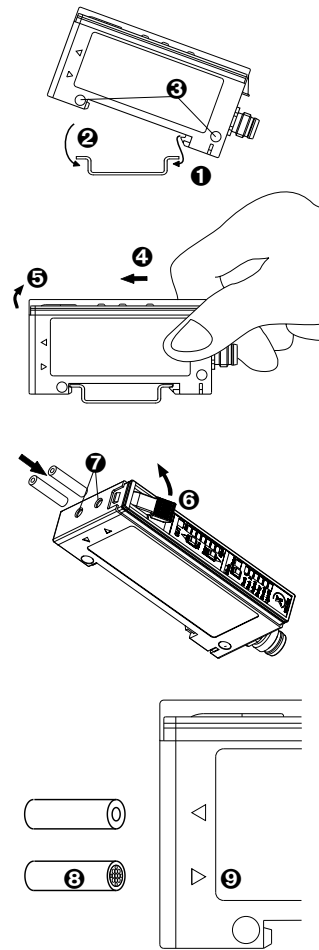
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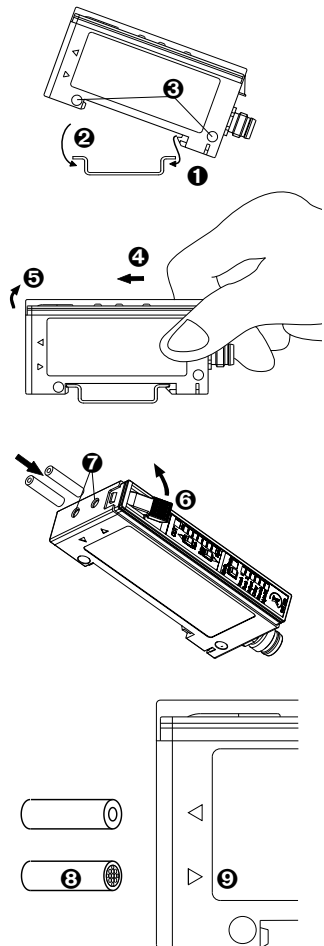
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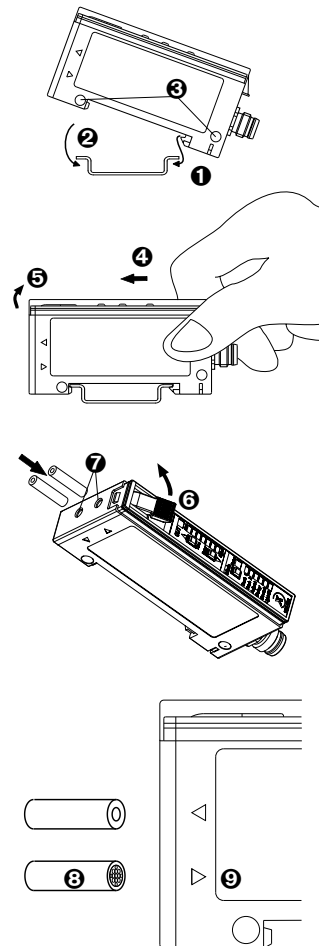
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