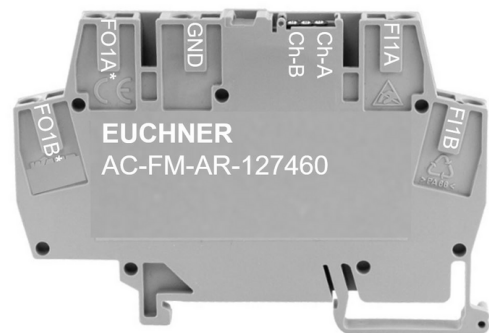


## AC-FM-AR-127460 (Order no. 127460)

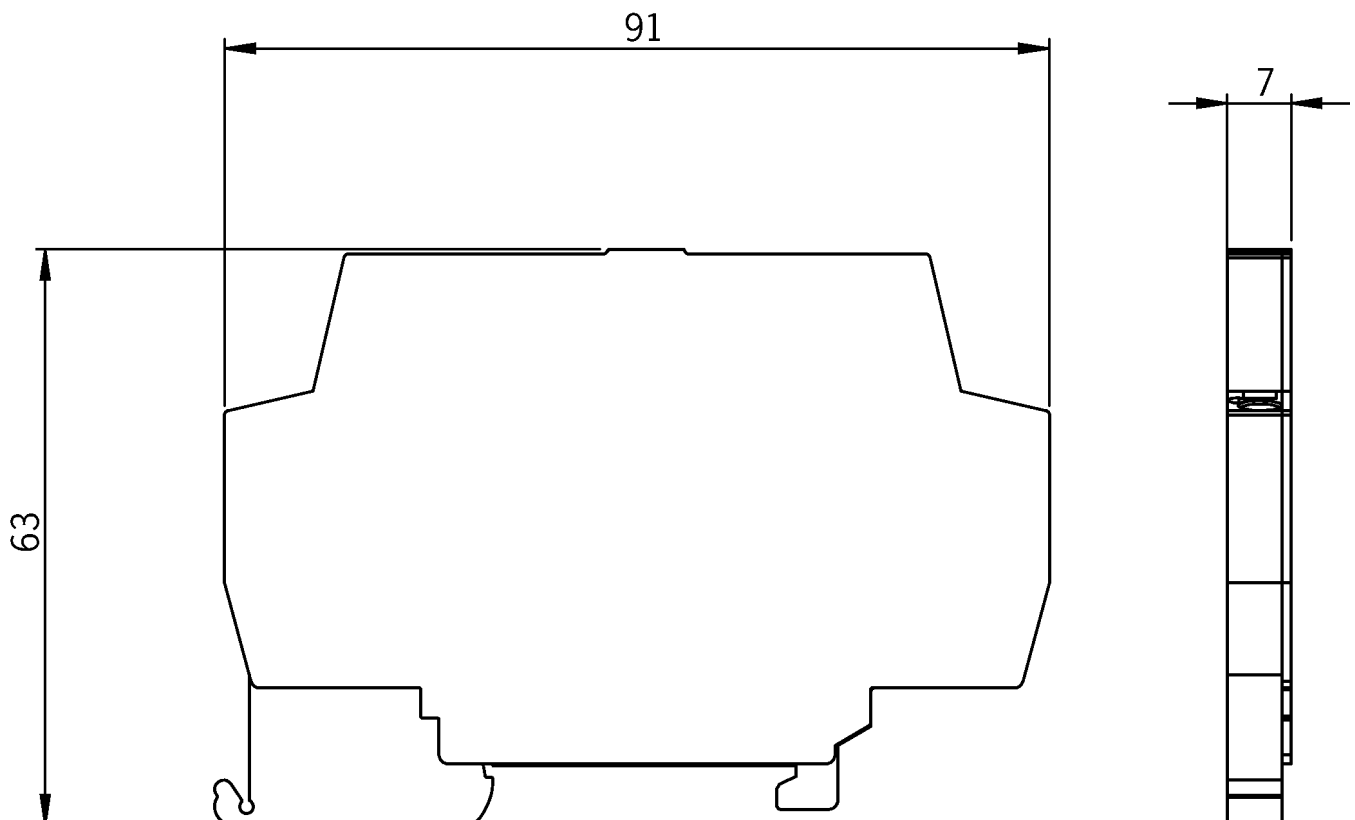
### Filter module AC-FM-AR

- ▶ Suitable for the connection of switchgear with OSSD outputs
- ▶ The filter module smoothens the test pulses



- ▶ The test pulses of safety inputs F11A and F11B are filtered out at the outputs FO1A\* and FO1B\* to such an extent that the downstream control system can no longer detect them.
- ▶ Owing to smoothing of the test pulses, short circuit monitoring will no longer be effective at safety inputs F11A / F11B downstream of the filter module. Ruling out short circuits downstream of safety outputs FO1A\* / FO1B\* requires laying the cables with protection or mounting them in the same control cabinet as the control system.
- ▶ The filter module does not have its own safety characteristic (PL or category), because it is not connected to an external power supply. It therefore does not contribute to the failure probability.

### Dimensional drawings



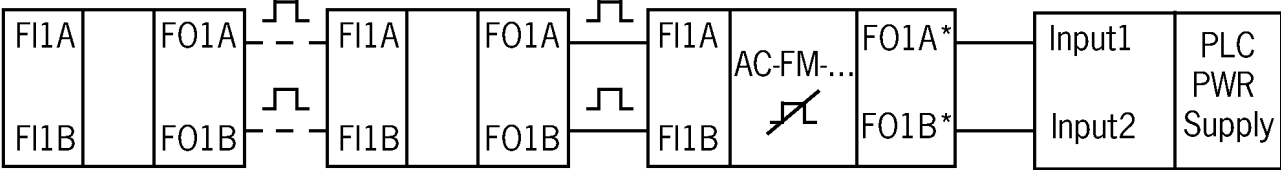
**Connection examples**

Device #1

Device #n

Filter Module

PLC



## Technical data

### Electrical connection values

|                              |   |              |
|------------------------------|---|--------------|
| Connection cross section     | 0.08 ... 2.5 mm <sup>2</sup>  |              |
| Connection cross section AWG | 28 ... 14 AWG   |              |
| Output voltage               |   |              |
|                              | LOW(0)  | max. 3 V DC  |
|                              | HIGH(1)   | min. 10 V DC |
| Input voltage                | 16 ... 26 V DC  |              |
| Switch-on delay              | 0.003 s   |              |
| Switching load               | min. 3 kΩ   |              |
| Test pulse duration          | max. 1 ms<br>(Max. permissible duration of the test pulses at the inputs) |              |

### Mechanical values and environment

|                      |                 |        |
|----------------------|-----------------|--------|
| Stripping length     | 5 mm            |        |
| Dimensions           | 7 x 63 x 91 mm  |        |
| Connection type      | Spring terminal |        |
| Storage temperature  | -25 ... 70 °C   |        |
| Degree of protection | IP20            |        |
| Ambient temperature  | 0 ... 60 °C     |        |
| Material             |                 |        |
|                      | Housing         | PA 6.6 |