

- ▶ Switching amplifier for all MICROmote® sensors*
- ▶ Dynamic signal processing
- ▶ Detection of fast incidents on a fluctuating background signal
 - e.g.: - material defects on fast moving threads or wires
 - counting of falling objects in light-band sensors
 - flow control on granules in transparent tubes
- ▶ Adjustment of sensitivity through appropriate setting of integration time and hysteresis
- ▶ 3 digit numerical display for signal level indication



**SWITCHING AMPLIFIER V10
with dynamic signal processing**

*excepting nanoSPOT

▶ TECHNICAL DATA

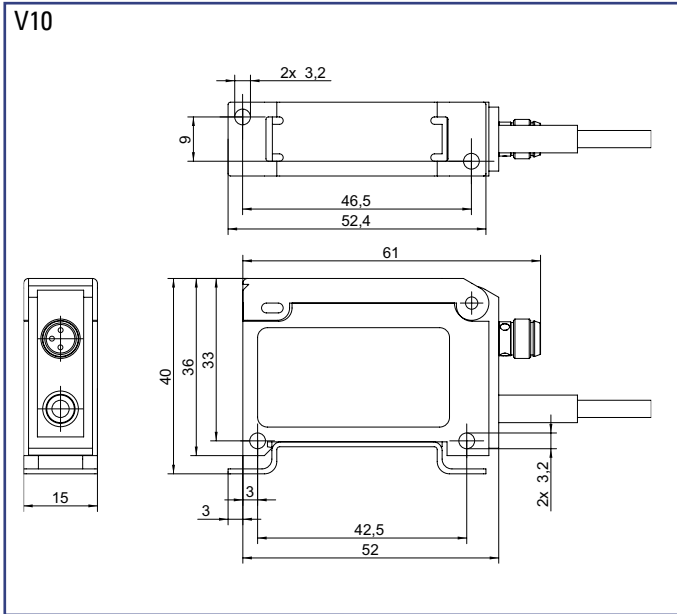
| MODEL | V10-H | |
|---|---|-----|
| Output | PNP | NPN |
| Sampling rate | 2000Hz | |
| max. Response time | 1ms | |
| Current consumption (average/peak) | 45mA / 180mA | |
| Power supply indicator | LED green | |
| Functional principle | pulsed | |
| Output status indicator/Signal strength | LED yellow / 3 digit display | |
| Pulse stretching (Off-Delay) | 0 - 250ms (selectable) | |
| Operating voltage | 10...30 VDC (max.), reverse polarity protection | |
| Output current | 200mA, short circuit proof, reverse polarity protection | |
| Weight | 55g | |
| Housing material | ABS | |
| Operating temperature | -10°C to +55°C | |
| Protection class | IP65 | |
| Power supply cable (standard) | 2m PVC-cable 5 x 0,14mm ² | |
| Optional with plug in supply*** | M12, 5pin or M8, 4pin | |

** cable to be ordered separately



V10-H

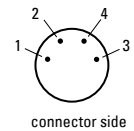
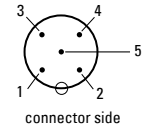
DIMENSIONS Measurements in mm. Subject to technical change.



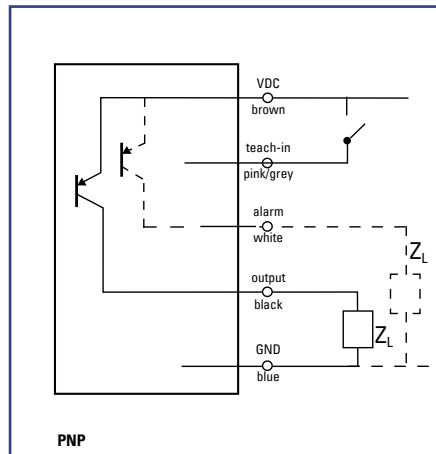
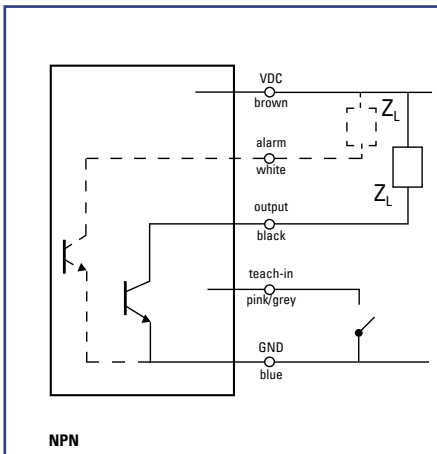
PIN CONNECTION

supply

- standard -00 :** PVC-cable, 5pin, 2m
 - brown + VDC
 - white alarm output
 - blue - GND
 - black signal output
 - pink teach-in
- option -01:** connector M12, 5pin
 - 1 (brown) + VDC
 - 2 (white) alarm output
 - 3 (blue) - GND
 - 4 (black) signal output
 - 5 (grey) teach-in
- option -02:** connector M8, 4pin
 - 1 (brown) + VDC
 - 2 (white) alarm output
 - 3 (blue) - GND
 - 4 (black) signal output
- option -03:** connector M8, 4pin
 - 1 (brown) + VDC
 - 2 (white) teach-in
 - 3 (blue) - GND
 - 4 (black) signal output



CONNECTION DIAGRAM



PART DESIGNATION

Model -

output
 P : PNP
 N : NPN

sensor connection
 0 : M8, 3pin
 special model available on request

supply*
 0 : PVC-cable, 5pin
 1 : M12, 5pin
 2 : M8, 4pin
 3 : M8, 4pin

ORDER EXAMPLE

V10-H P - 02 = amplifier V10 - dynamic; PNP - sensor M8, 3pin supply M8, 4pin

*Please do not forget to order the appropriate power supply cable (see accessories).