V91N-B

- **Universal amplifier for all MICROmote sensors with nanoSPOT technology**
- **Standard resolution or high resolution selectable**
- **Sensitivity setting via 3-channel potentiometer without stop**
- **Selectable pulse stretching 50ms (switchable)**
- **Light/dark switching**
- **PNP or NPN in the same device**

SWITCHING AMPLIFIER V91N
with potentiometer
for nano•SPOT®

TECHNICAL DATA

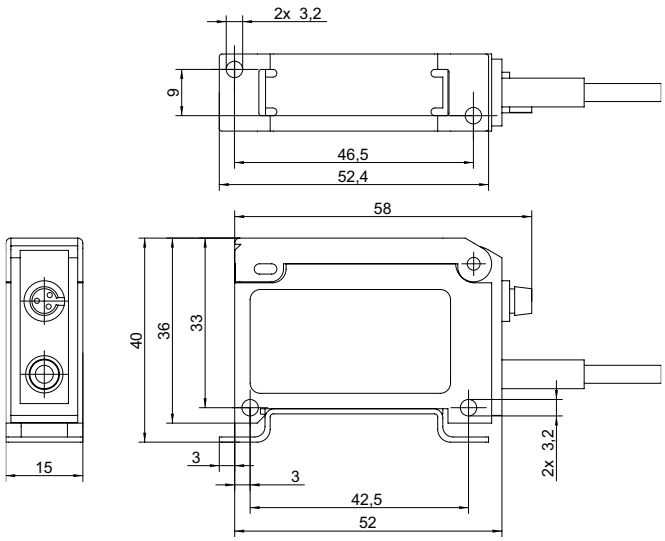
MODEL	V91N-B
Output	PNP and NPN
Frequency response	500Hz
max. Response time	1,1ms
Current consumption (average/peak)	20mA / 60mA
max. Sensing distance*	100%
Power supply indicator/Signal stability	LED green
Functional principle	pulsed
Output status indicator	LED yellow
Pulse stretching	0 / 50ms - Off-Delay I 50ms On-Delay (selectable)
Operating voltage	10 to 30 VDC (max.), reverse polarity protection
Output current	100mA, 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 4 x 0,14mm^2
Optional with plug in supply**	M8, 4pin

* percentage of max. sensor rating (see individual sensor datasheet)
** cable to be ordered separately

V91N-B

DIMENSIONS Measurements in mm. Subject to technical change.

V91N-BP/N



PIN CONNECTION

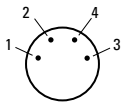
supply

option -20: PVC-cable, 4 wire, 2m

(brown)	+ VDC
(white)	NPN-signal output
(blue)	- GND
(black)	PNP-output

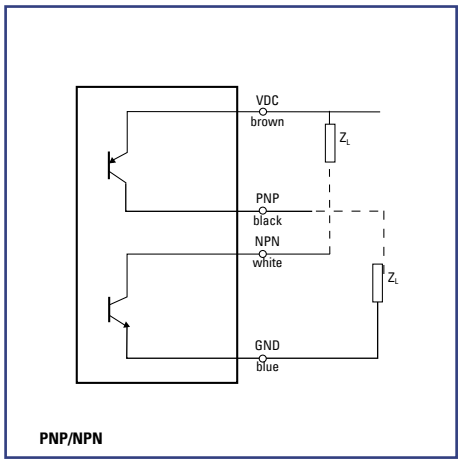
option -21: connection M8, 4pin

1 (brown)	+ VDC
2 (white)	NPN-signal output
3 (blue)	- GND
4 (black)	PNP-signal output



connection side

CONNECTION DIAGRAM



PNP/NPN

PART DESIGNATION

Model ☐ – ☐☐

- ☐ **output**: **P/N**: PNP and NPN
- ☐☐ **sensor connection**: **2**: 719, 3pin; special model available on request
- ☐ **supply***: **0**: PVC-cable, 3 wire, 2m; **1**: M8, 4pin

ORDER EXAMPLE

V91N-BP/N - 2 0 = amplifier V91 nanoSPOT - 500Hz PNP and NPN - sensor 719, 3pin supply PVC-cable, 3 wire, 2m

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