V9N-B

- **Universal amplifier for all MICROmote sensors with nanoSPOT technology**
- **Adjustable at the touch of a button (auto-teach or manual sensitivity setting)**
- **Selectable pulse stretching 50ms (switchable)**
- **Light/dark switching**
- **Available in PNP or NPN version**

SWITCHING AMPLIFIER V9N
with auto-teach
for nano•SPOT®

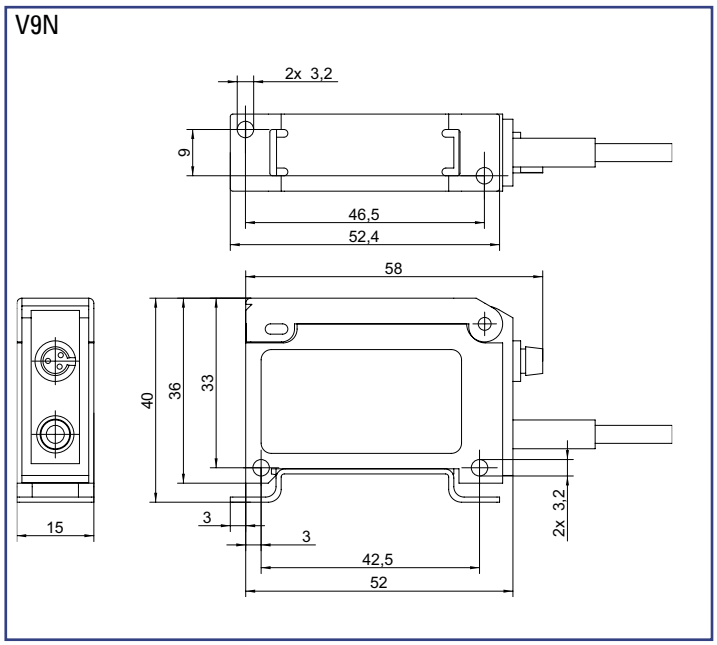
TECHNICAL DATA

MODEL	V9N-B	
Output	PNP	NPN
Frequency response	500Hz	
max. Response time	1,1ms	
Current consumption (average/peak)	25mA / 70mA	
max. Sensing distance*	100%	
Power supply indicator/Signal stability	LED green	
Functional principle	pulsed	
Output status indicator/Signal strength	LED yellow	
Pulse stretching (Off-Delay)	0 / 50ms (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 3 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

V9N-B

DIMENSIONS Measurements in mm. Subject to technical change.



PIN CONNECTION

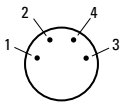
supply

option -20: PVC-cable, 3 wire, 2m

(brown)	+ VDC
(blue)	- GND
(black)	signal output

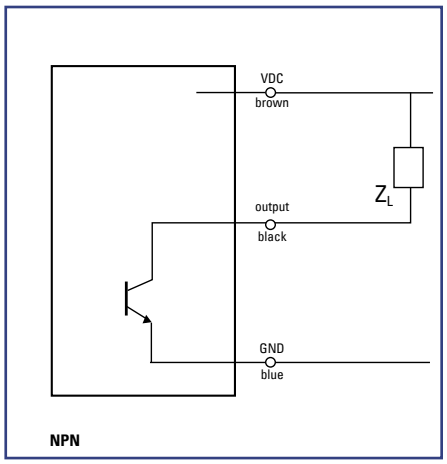
option -21: connector M8, 4pin

1 (brown)	+ VDC
2 (white)	not connected
3 (blue)	- GND
4 (black)	signal output

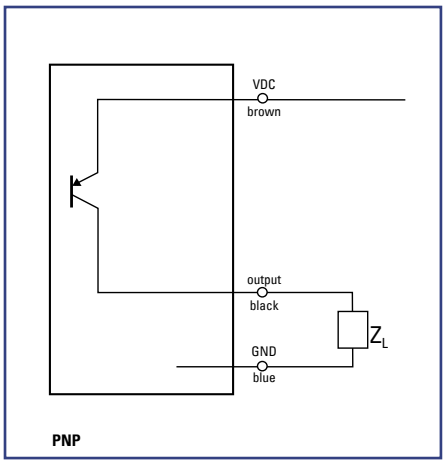


connector side

CONNECTION DIAGRAM



NPN



PNP

PART DESIGNATION

Model ☐ – ☐☐

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

ORDER EXAMPLE

V9N-B P - 2 0 = amplifier V9 nanoSPOT-500Hz PNP - sensor 719, 3pin supply PVC-cable, 3 wire, 2m

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