

V91N-BP/N

SWITCHING AMPLIFIER with Potentiometer

- Compatible with all nanoSPOT sensors
- 3turn potentiometer, no stop
- Standard resolution or high resolution selectable
- Light On / Dark On, selectable
- PNP and NPN coexistent



nano • SPOT®
nano • SPOT® is a new and powerful LED technology for miniaturized opto sensors

V91N-BP/N

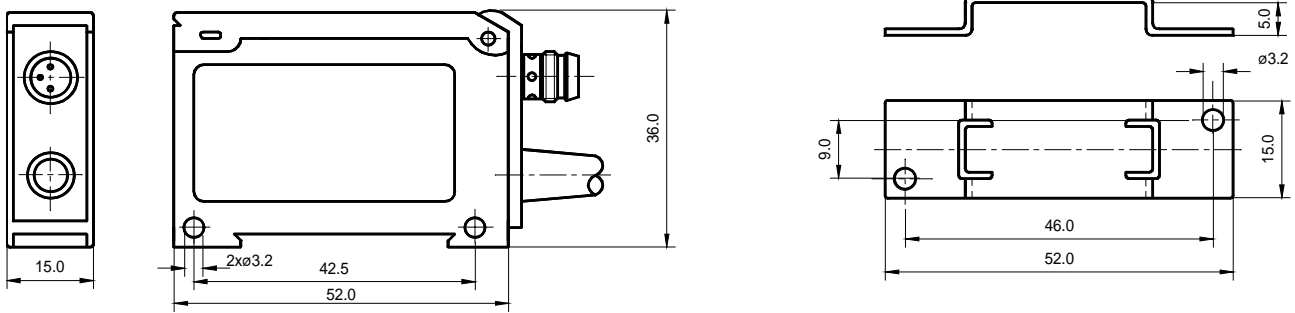
GENERAL TECHNICAL DATA

switching logic	PNP and NPN
functional principle	pulsed
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
output status indicator	LED yellow
pulse stretching	0 / 50 ms (selectable)
operating voltage	10 - 30 VDC (max.), reversed polarity protection
output current	100mA, short circuit proof, reversed 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, male

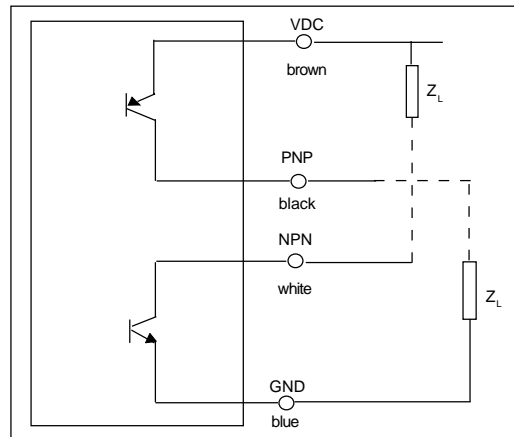
*percentage of max. sensor rating (see individual sensor datasheet)

**cable to be ordered separately

DIMENSION

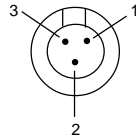


CONNECTION-DIAGRAM



Sensor

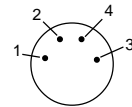
Option -20/-21: socket 719, 3pin
 1 + emitter
 2 GND/shielding
 3 + receiver



In-/Output

Option -20: PVC-cable, 4wires, 2m
 brown +VDC
 white NPN-signal output
 blue - GND
 black PNP-signal output

Option -21: connector M8, 4pin
 1 (brown) + VDC
 2 (white) NPN-signal output
 3 (blue) - GND
 4 (black) PNP-signal output



PART DESIGNATION

V91N-BP/N-20 = 500Hz / PNP/NPN / sensor connector 719, 3pin / PVC-cable, 4wires, 2m

V91N-BP/N-21 = 500Hz / PNP/NPN / sensor connector 719, 3pin / supply M8, 4pin*

*plug-in supply cable to be ordered separately!