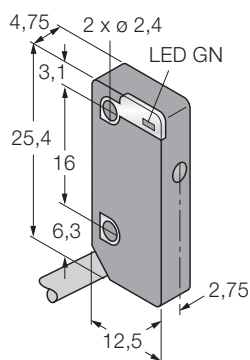
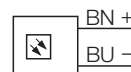


## Photoelectric sensor emitter VS4EV



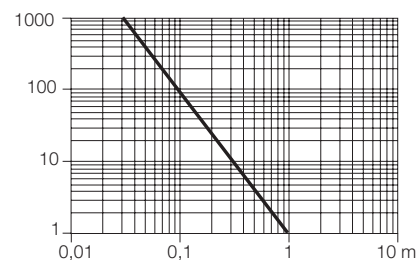
### Wiring diagram



Opposed mode sensors consist of a separate emitter and receiver. These are installed directly opposite each other so that the light from the emitter is aimed directly at the receiver. When an object interrupts or weakens the light beam, the sensor switches. Opposed mode sensors are the most reliable photoelectric sensors for detection of opaque targets. An excellent contrast between light and dark conditions and an extremely high excess gain are typical of this sensing mode, thus allowing operation over larger distances and under difficult conditions.

### Excess gain curve

Excess gain in relation to the distance



<b>Type</b>	VS4EV
Ident-No.	3069422
<b>Operating mode</b>	Opposed mode (emitter)
Type of light	red
Wave length	660 nm
Operating temperature	-20 ...+ 55 °C
<b>Rated operational voltage (DC) U<sub>B</sub></b>	10... 30 VDC
No-load current I <sub>0</sub>	≤ 25 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Max. switch-on delay	≤ 100 ms
<b>Housing style</b>	rectangular; VS4
Housing material	plastic, PC
Lens	Kunststoff, PC
Wiring	cable
Cable length	2 m
Cable cross section	2 x 0,381 mm <sup>2</sup>
Degree of protection	IP67
<b>Supply voltage indication</b>	LED green
Error indication	LED green blinkend