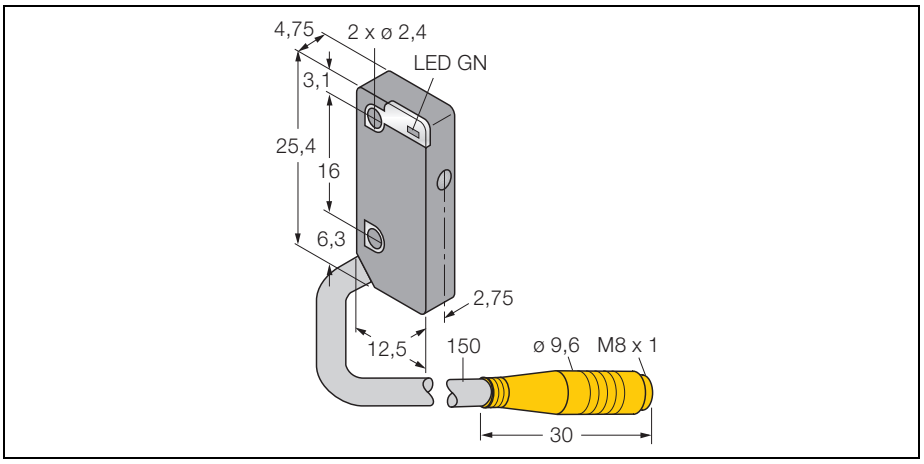
Photoelectric sensor
emitter
VS4EVQ



Type	VS4EVQ
Ident-No.	3069427
Operating mode	Opposed mode (emitter)
Type of light	red
Wave length	660 nm
Operating temperature	-20 ...+ 55 °C
Rated operational voltage (DC) U_B	10... 30 VDC
No-load current I_0	≤ 25 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Max. switch-on delay	≤ 100 ms
Housing style	rectangular; VS4
Housing material	plastic, PC
Lens	Kunststoff, PC
Wiring	pigtail, M8 x 1
Degree of protection	IP67
Supply voltage indication	LED green
Error indication	LED green blinkend

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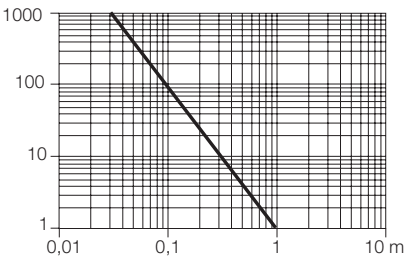
Wiring diagram

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 extremly 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



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