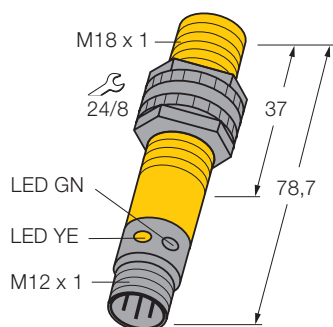
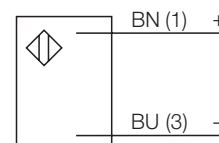


Photoelectric sensor emitter S186EQ



- M12 x 1 connector
- operational voltage 10..0.30 VDC
- degree of protection IP69K

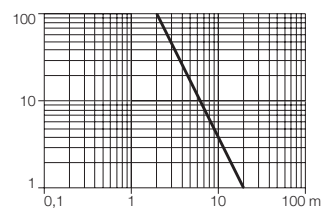
Wiring diagram



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



Type	S186EQ
Ident-No.	3846300
Operating mode	Opposed mode (emitter)
Type of light	IR
Wave length	950 nm
Max. sensing range [m]	0... 20 m
Operating temperature	-40 ...+ 70 °C
Rated operational voltage (DC) U_B	10... 30 VDC
Rated operational current (DC) I_B	≤ 150 mA
No-load current I_0	≤ 20 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Housing style	cylindrical/thread; S18
Dimensions	78,7 mm
Housing material	plastic, PBT
Lens	Plastic, Lexan
Wiring	connector, M12 x 1
Degree of protection	IP68 - IP69K
Supply voltage indication	LED green