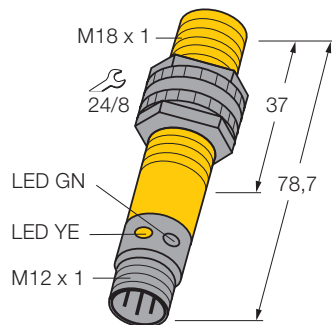
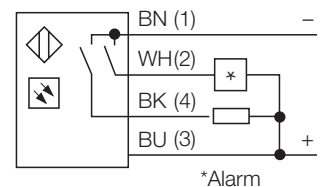
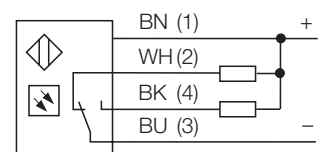


Photoelectric sensor receiver S18SN6RQ

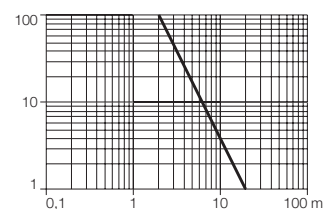


- selectable light or dark operation or light operation with alarm function
- M12 x 1 connector
- operational voltage 10...30 VDC
- degree of protection IP69K

Wiring diagram



Opposed mode sensors consist of a separate emitter and receiver in single housings. 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, e.g. dirt build-up on the lens or sensor misalignment.



Type	S18SN6RQ
Ident-No.	3846100
Operating mode	Opposed mode (receiver)
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_e	≤ 150 mA
No-load current I_0	≤ 25 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Output function	connection programmable, NPN
Max. switching frequency	≤ 0,16 kHz
Switching frequency	≤ 160 Hz
Max. switch-on delay	≤ 100 ms
Overload trip point	>220 mA
Housing style	cylindrical/thread; S18
Dimensions	78,7 mm
Housing material	plastic, PBT
Lens	Lexan, Lexan
Wiring	connector, M12 x 1
Degree of protection	IP68 - IP69K
Supply voltage indication	LED green
Switching status indication	LED yellow
Error indication	LED green flashing
Alarm indication	LED yellow flashing