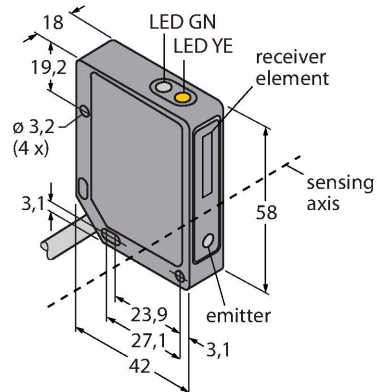


XSOIR1.5M-BRM42-VN6X2

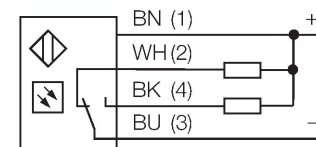
Photoelectric Sensor – Diffuse Mode Sensor with Fixed-field Background Suppression



Features

- Cable, PVC, 2 m, 4-wire
- Metal housing, ZN, black
- Protection class IP67
- Operating voltage 10...30 VDC
- NPN switching output
- Light/dark operation

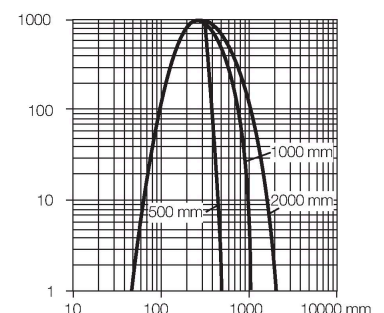
Wiring diagram



Functional principle

Diffuse mode sensors with background suppression operate with a single emitter and several receiver elements. The target's position and the optical structure of the sensor determine which receiver element gets the most light. The sensor electronics then determines whether the reflecting target is in or outside the measuring range. These sensors come with a fixed cut-off point.

Excess gain curve
Excess gain in relation to distance



Technical data

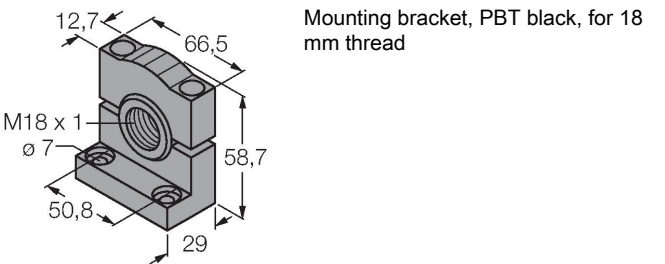
Type	XSOIR1.5M-BRM42-VN6X2
ID	7700746
Function	Diffuse mode sensor with fixed-field background suppression
Light type	IR
Wavelength	880 nm
Range	50...1500 mm
Operating voltage	10...30 VDC
Residual ripple	< 10 % U _{ss}
DC rated operational current	≤ 100 mA
No-load current	≤ 50 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	NO/NC, NPN
Switching frequency	≤ 500 Hz
Overcurrent release	> 150 mA
Design	Rectangular, QMT42
Dimensions	42 x 18 x 58 mm
Housing material	Metal, ZN, Black-finished
Lens	plastic, Acryl
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Core cross-section	0.5 mm ²
Ambient temperature	-20...+55 °C
Protection class	IP67
Power-on indication	LED, Green

Technical data

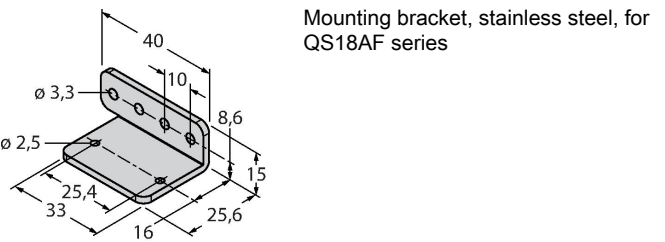
Switching state	LED, Yellow
Error indication	LED, green, flashing
Alarm display	LED yellow flashing

Accessories

TMB3018SC 7700397



TMBBRM42L 7700402



TMBBRM42T 7700403

