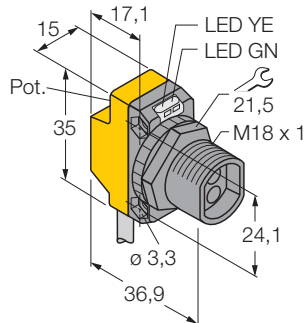


photoelectric sensor
glass fibre-optic sensor
QS18VP6F

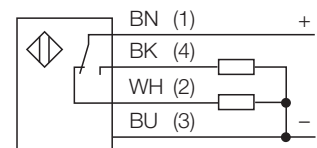
TURCK

Industrial
Automation



- Operating voltage 10...30 VDC
- indication of insufficient excess gain
- LED visible from all sides
- sensitivity adjustable via potentiometer
- light/dark operation
- cable, 2m

Wiring diagram

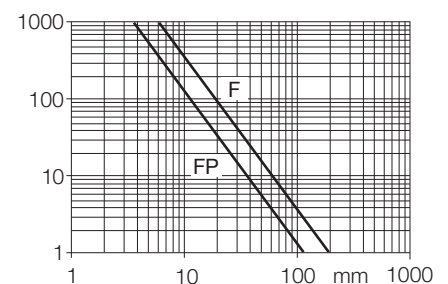


Functional principle

Glass or fibre optic sensors are the optimum choice for high temperature or space restricted applications. Fibre optics transfer the light from the sensor to a remote object. Individual fiber-optics are used for opposed mode sensing, whereas bifurcated fiber-optics are suited for diffuse mode operation.

Excess gain curve

Excess gain depending on range of opposed mode sensors (type F with fiber-optics IT23S and type FP with fiber-optics PIT46U)



Type	QS18VP6F
Ident-No.	3002796
Operating mode	fibre optic sensor
Light type	IR
Wavelength	940 nm
Ambient temperature	-20...+ 70°C
Operating voltage	10... 30 VDC
DC rated operational current	≤ 100 mA
No-load current I ₀	≤ 32 mA
Output function	NO/NC , PNP
Switching frequency	≤ 800Hz
Readiness delay	≤ 100 ms
Housing	rectangular, QS18
Dimensions	36.9x 15x 35mm
Housing material	Plastic, ABS
Electrical connection	cables
Cable length	2 m
Cable cross section:	4 x 0.35mm ²
Protection class	IP67
Operating voltage	LED green
Switching state	LED yellow
Error indication	LED green flashing
Excess gain indication	LED yellow flashing