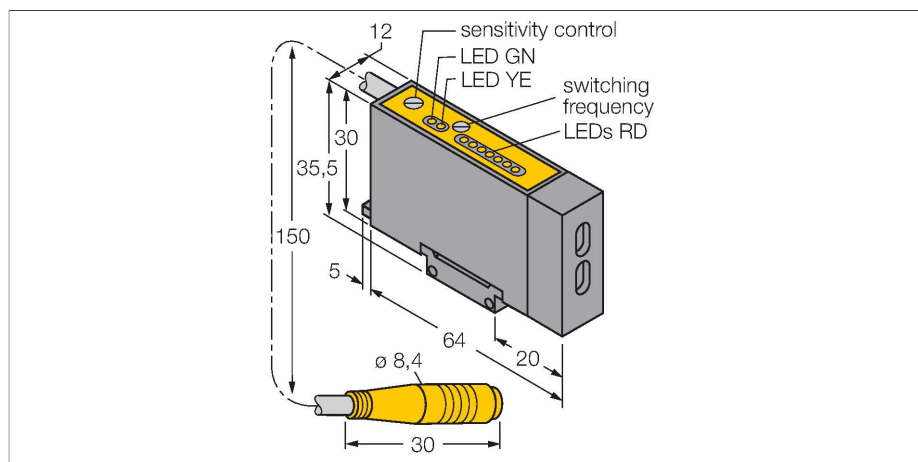


D12SP6FPHQ

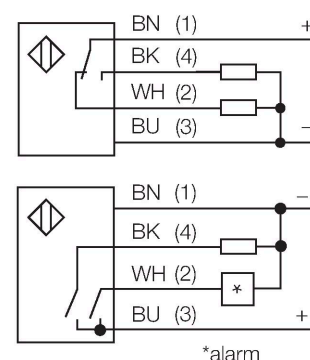
Photoelectric Sensor – Photoelectric Sensor for Plastic Fibers



Features

- Base unit for plastic fibers
- 7-segment LED chain for indication of excess gain
- Connector 8 mm
- Operating voltage 10...30 VDC
- PNP transistor switching output
- Sensitivity adjustable via potentiometer
- Very high excess gain
- Alarm function

Wiring diagram



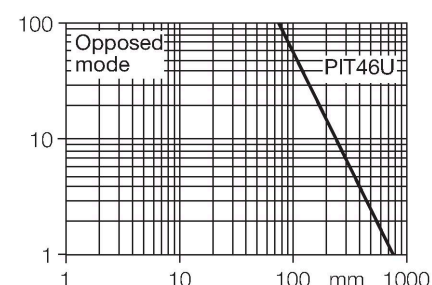
Technical data

Type	D12SP6FPHQ
ID	3034974
Optical data	
Function	Fiber optic sensor
Operating mode	Plastic fiber
Fiber-optic type	plastic
Light type	Red
Wavelength	680 nm
Electrical data	
Operating voltage	10...30 VDC
No-load current	≤ 25 mA
Output function	NO/NC, PNP
Switching frequency	1 kHz
Readiness delay	≤ 100 ms
Response time typical	< 0.5 ms
Overcurrent release	> 200 mA
Setting option	Potentiometer
Mechanical data	
Design	Rectangular, D12
Dimensions	64 x 12 x 30 mm
Housing material	Plastic, Thermoplastic material
Electrical connection	Cable with connector, M8 x 1, 0.15 m, PVC
Number of cores	4
Ambient temperature	-20...+70 °C
Relative humidity	0...90 %
Protection class	IP11

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 fibre optics are used for opposed mode sensing, whereas bifurcated fibre optics are suited for retro-reflective or diffuse mode operation.

Excess gain curve
Excess gain in relation to the distance



Technical data

Special features	Small part counting
Power-on indication	LED, Green
Switching state	LED, Yellow
Error indication	LED, red, Flashing
Excess gain indication	Bargraph, red
Tests/approvals	
Approvals	CE, cURus