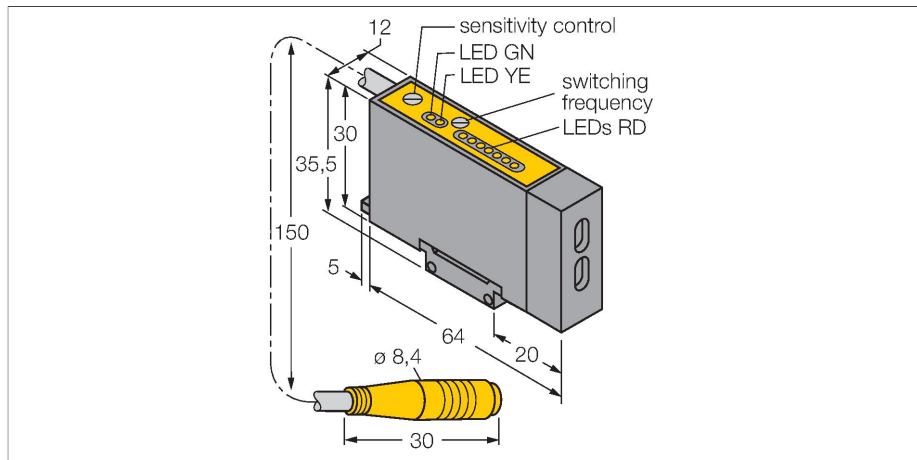


D12SP6FPHQ

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

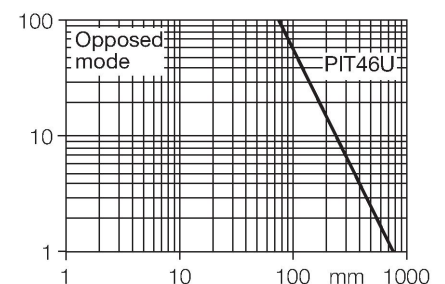
Wiring diagram



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

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

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