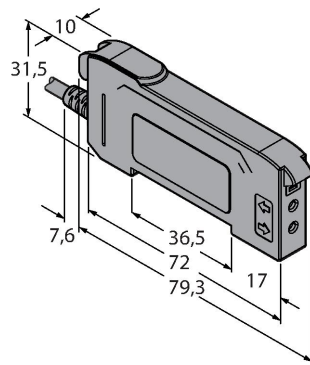


FOP-Q30D-VP6X

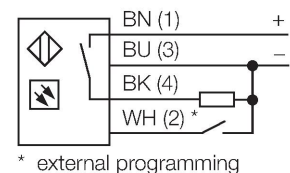
Photoelectric Sensor – Base Unit for Plastic Fibers



Features

- Cable 2 m
- Visible red light
- Programmed via teach line or rocker button
- Operating voltage: 10...30 VDC
- PNP output
- Light/dark operation

Wiring diagram

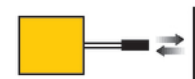


Functional principle

Glass or plastic fibers are the optimum choice for high-temperature applications and limited spaces. Optical fibers transfer the light from the sensor to a remote object. Single optical fibers are suited for opposed sensing mode, while bifurcated optical fibers are best suited for diffuse sensing mode.



PIT16U	58 mm
PIT26U	220 mm
PIT46U	820 mm
PIT66U	1320 mm

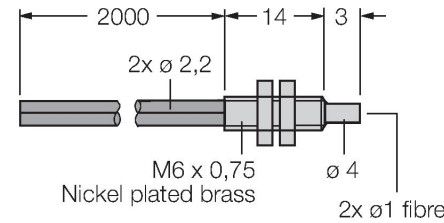


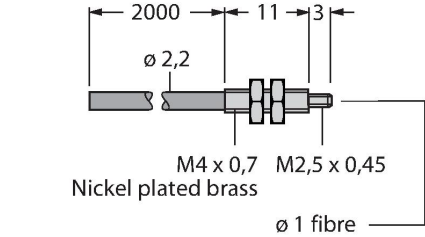
PBT16U	12 mm
PBT26U	80 mm
PBT46U	220 mm
PBT66U	310 mm

Technical data

Type	FOP-Q30D-VP6X
ID	7700832
Function	Photoelectric sensor for plastic fibers
Light type	Red
Wavelength	660 nm
Operating voltage	10...30 VDC
Residual ripple	< 10 % U _{ss}
DC rated operational current	≤ 40 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	NO contact, PNP
Switching frequency	10 kHz
Design	Rectangular, DF-G1
Dimensions	79.3 x 10 x 33 mm
Housing material	Plastic, ABS, Black
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Ambient temperature	-10...+55 °C
Protection class	IP50
Special features	Pushbutton
Switching state	LED, Yellow
Excess gain indication	7-digit LED

Accessories

Dimension drawing	Type	ID	
	T-PBT46U	7700815	Plastic fiber, bifurcated; length: ± 1829 mm; diffuse / retroreflective mode; polyethylene sheath, flexible; operating temperature: -30...+70 °C; cable, straight, customizable; core diameter: 1.0 mm; end sleeve for probe: threaded

	T-PIT46U	7700817	Plastic fiber, individual, length: ± 1829 mm; opposed mode; 2 pcs. incl. in delivery; polyethylene sheath, flexible; operating temperature: -30...+70 °C; cable, straight, customizable; core diameter: 1.0 mm; end sleeve for probe, threaded
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