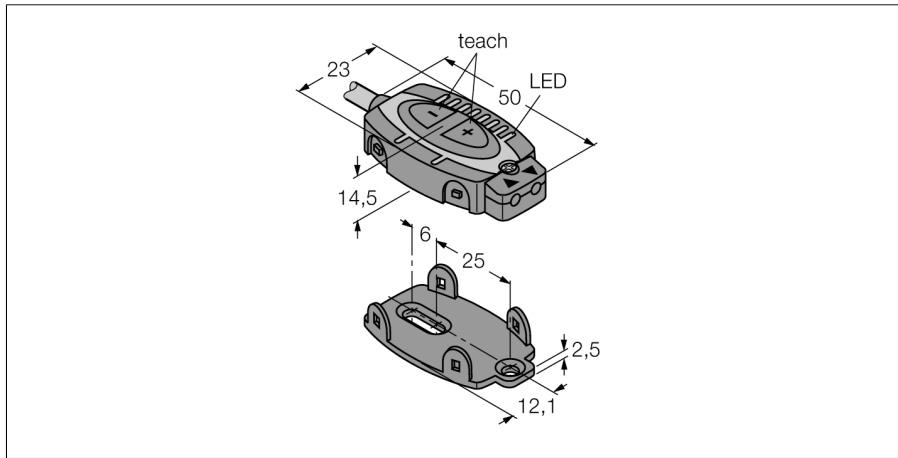
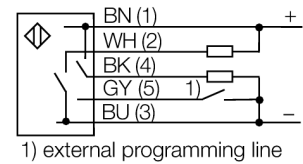


**Photoelectric sensor
base unit for plastic fibers
FI22FP**



- Cable 2 m
- Status LED, 8-segment
- Time delay, adjustable 0 ms/30 ms
- Status LED, 8-segment
- Range with optical fiber PIT46U: 260 mm
- Range with optical fiber PBT46U: 60 mm
- Operating voltage 10...30 VDC
- PNP/NPN switching output
- Light/dark operation

Wiring diagram



Functional principle

Plastic fibre optics are often the optimum solution for limited space 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 diffuse mode operation.

Type code	FI22FP
Ident no.	3056287
Operating mode	base unit for plastic fibers
Light type	red
Wavelength	660 nm
Ambient temperature	-10...+55 °C
Operating voltage	10...30VDC
Residual ripple	< 10 % U _s
DC rated operational current	≤ 100 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	NO contact, PNP/NPN
Switching frequency	≤ 1000 Hz
Readiness delay	≤ 250 ms
Design	rectangular, FI22
Dimensions	50 x 23 x 14.5 mm
Housing material	plastic, ABS, black
Connection	cable, PVC
Cable length	2 m
Cable cross section	5 x 0.8 mm ²
Protection class	IP67
Power-on indication	LED green
Switching state	LED yellow

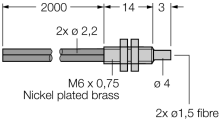
**Photoelectric sensor
base unit for plastic fibers
FI22FP**

Function accessories

Type code	Ident no.	Description	Dimension drawing
PIT26U	3026079	Plastic fiber, sensing mode: Opposed mode, threaded bush M3 x 0.5 mm, preassembled wire without end tip, polyethylene jacket, ambient temperatures -30 °C...+70 °C	
PIT46U	3026034	plastic fibre-optic sensor, sensing mode: light screen, polyethylene cable; for ambient temperatures of -30 °C...+70 °C	
PIT66U	3039899	Plastic fiber, sensing mode: Opposed mode, bundle diameter Ø 1,5 mm, threaded bush M2,5 x 0.45, preassembled wire without end tip, polyethylene jacket, ambient temperatures -30 °C...+70 °C	
PBT26U	3026080	Plastic fiber, sensing mode: Diffuse mode, threaded bush M3 x 0.75 mm, preassembled wire without end tip, polyethylene jacket, ambient temperatures -30 °C...+70 °C	
PBT46U	3025967	plastic fibre-optic sensor, sensing mode: diffuse mode sensor, polyethylene cable; for ambient temperatures of -30 °C...+70 °C	

**Photoelectric sensor
base unit for plastic fibers
FI22FP**

Function accessories

Type code	Ident no.	Description	Dimension drawing
PBT66U	3039982	Plastic fiber, sensing mode: Diffuse mode, threaded bush M6 x 0.75 mm, preassembled wire without end tip, polyethylene jacket, ambient temperatures -30 °C...+70 °C	 <p>2000 14 3 2x ø 2,2 M6 x 0,75 Nickel plated brass ø 4 2x ø 1,5 fibre</p>