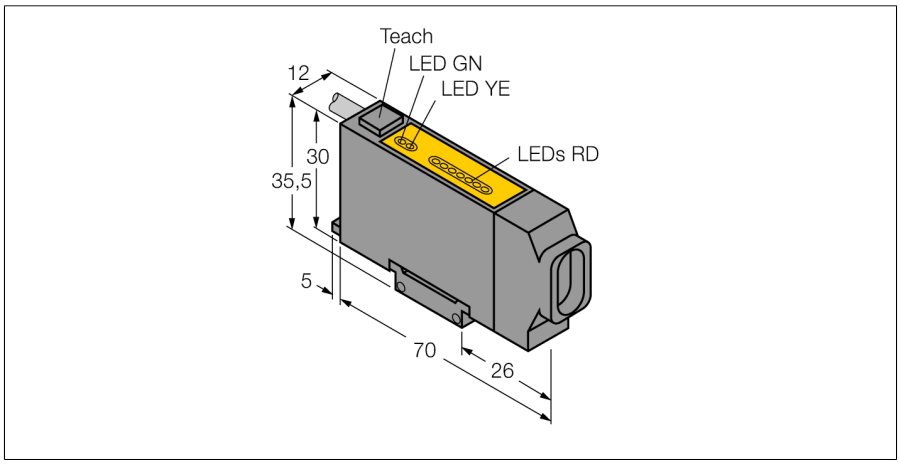
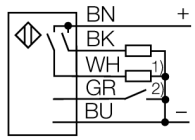
Photoelectric sensor
base unit for optical fibers
D12EP6FV



Type code	D12EP6FV
Ident no.	3041968
Operating mode	fibre optic sensor
Light type	red
Wavelength	680 nm
Ambient temperature	-20…+70 °C
Operating voltage	10…30VDC
No-load current I_0	≤ 45 mA
Output function	NO contact, PNP
Switching frequency	2.5 kHz
Readiness delay	≤ 20 ms
Design	rectangular, D12 Expert
Dimensions	70 x 12 x 30 mm
Housing material	plastic, ABS
Connection	cable
Cable length	2 m
Cable cross section	5 x 0.34 mm²
Protection class	IP66
Power-on indication	LED green
Switching state	LED yellow
Excess gain indication	7-digit LED red

- **Base unit for glass fibers**
- **7-segment LED chain for indication of excess gain**
- **connection cable, 2 m**
- **Operating voltage 10…30 VDC**
- **PNP transistor switching output**
- **Light/dark operation**
- **Auto-adaptive sensitivity**
- **Alarm function**

Wiring diagram



1) alarm
2) external programming line

Functional principle

Glass or plastic 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.

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