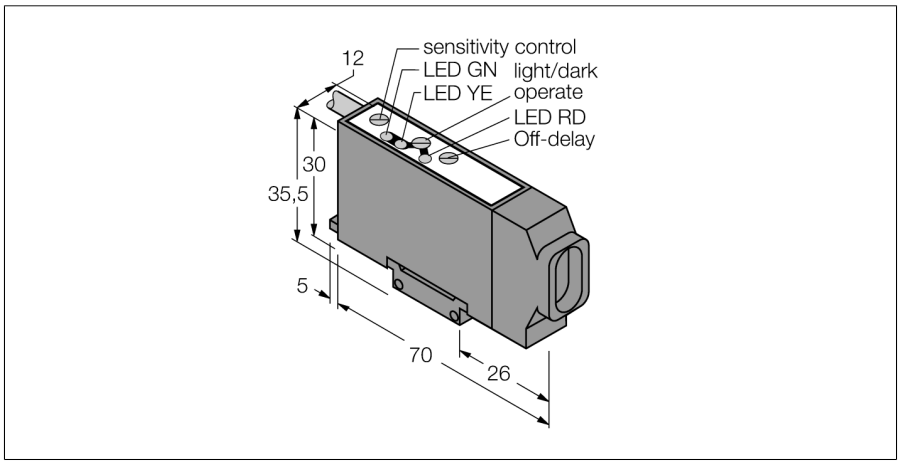
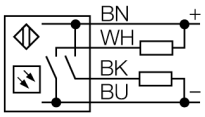
Photoelectric sensor
base unit for optical fibers
D12DAB6FV



- **Base unit for optical fiber**
- **Dynamic sensor**
- **Device for DIN rail mounting**
- **7-segment LED chain indicates received light quantity, easy alignment**
- **connection cable, 2 m**
- **Operating voltage 10…30 VDC**
- **Dynamic sensor with automatic range control**
- **Sensitivity adjustable via potentiometer**
- **Switch-off delay, adjustable**

Type code	D12DAB6FV
Ident no.	3039545
Operating mode	fibre optic sensor
Light type	red
Wavelength	680 nm
Ambient temperature	-40…+70 °C
Operating voltage	10…30VDC
No-load current I_0	≤ 60 mA
Output function	NO contact, PNP/NPN
Switching frequency	10 kHz
Readiness delay	≤ 20 ms
Overcurrent release	> 200 mA
Design	rectangular, D12 dynamic
Dimensions	70 x 12 x 30 mm
Housing material	plastic, ABS
Connection	cable
Cable length	2 m
Cable cross section	4 x 0.5 mm²
Protection class	IP66
Power-on indication	LED green
Switching state	LED yellow
Excess gain indication	LED red

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.

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