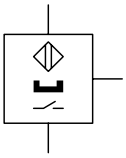
540695

Proximity sensor, electronic

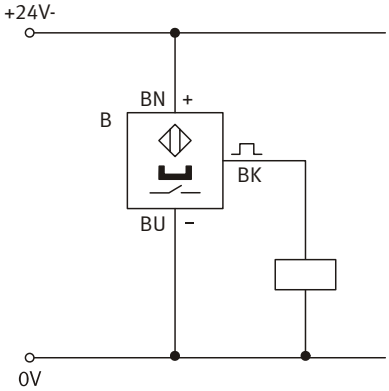


Design

The proximity sensor consists of the sensor, mounting kit and cable. The cable is equipped with a socket and three jack plugs.

Function

This proximity sensor emits an electrical signal when approaching a magnetic field (e.g. permanent magnet on a cylinder piston). The electrical connections are moulded into the cable. The switching status is indicated via an LED. The yellow LED is illuminated when actuated.



Note

The polarity of the applied voltage is to be observed for the correct functioning of the device. The wires inside the socket cable must therefore be allocated by colour: Red (BN) for positive, blue (BU) for negative and black (BK) for the signal output. In this case, the load (relay) is connected to the sensor and to the negative pole. **The switch is protected against reverse polarity but not against short circuit.**

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Technical data

Electrics	
Switching voltage	10 to 30 V DC
Switching current	Max. 200 mA
Switching accuracy	±0.1 mm
Switching time	On: 0.5 ms Off: 0.5 ms
Connection	M 8x1 plug socket for socket with cable
Cable	With 4 mm jack plug
Electromagnetic compatibility	CE
Emitted interference	Tested to EN 500 81-1
Noise immunity	Tested to EN 500 82-1