

dimensions **M5x0.5**

flush switching distance 0.8mm



- ✓ external amplifier with 400mm sensor cable
- ✓ LED-display
- ✓ short-circuit and reverse polarity protected
- ✓ 2m cable

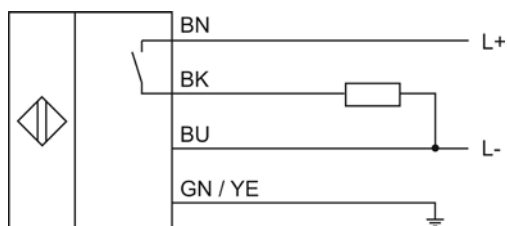
## Technical Data

## KB050180

nominal switching distance	0.8mm
switching distance adjustable	0 ... 1mm
operating voltage $U_B$	10 ... 35V DC
residual ripple (max.)	5%
current consumption	ca. 10mA
voltage drop (max. load)	2.5V
output current (max. load)	250mA
switching hysteresis	<10%
switching frequency	50Hz
protection class	IP 67 (EN 60529)
ambient temperature sensor	-55°C bis +125°C
ambient temperature amplifier	-25°C bis +70°C
LED-display (signal)	yellow
material (housing sensor)	stainless steel 1.4305
material (front cap)	PTFE
material (housing amplifier)	PA
connection cable (sensor-amplifier)	0.4m Triax
connection cable (amplifier)	2m PVC-cable 4 x 0.14mm <sup>2</sup>

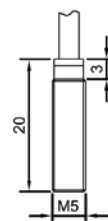
## connection

## dimensional drawing

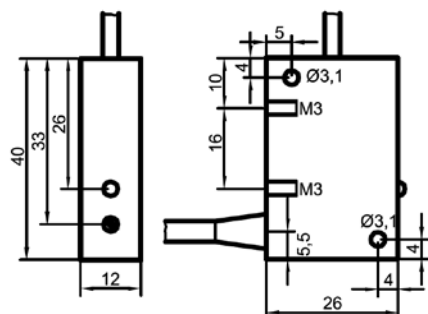


colors: BN = brown, BK = black, BU = blue, GN / YE = green / yellow  
 functions: BN = L+, BU = L-, BK = pnp, no, GN / YE = Ground

sensor



amplifier



article-no. **KB050180**

**Warning:** Never use these devices in applications where the safety of a person depends on their functionality.