

dimensions **M18x1mm**  
 switching distance flush **5mm**

- ✓ **robust stainless-steel housing**
- ✓ **active surface made of Vectra® 5m**
- ✓ **Teflon cable**
- ✓ **M12-connection**



**sensor applicable up to +230 °C**  
**integrated amplifier in the connector**

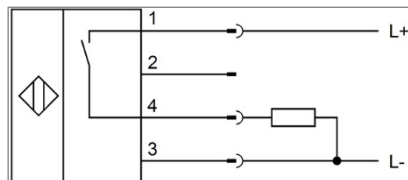


### Technical Data

### IB18012T

nominal switching distance	5mm
mounting	flush
operating voltage	10 ... 30V DC
current consumption (w/o load)	≤ 5mA
voltage decay (max. load)	≤ 2V
switching output	NO
output current	≤ 100mA
switching frequency	≤ 9Hz
hysteresis	≤ 15%
display (signal)	LED yellow
short-circuit protection	+
reverse polarity protection	+
temperature (operating), sensor	0 ... +230 °C
temperature (operating), connector	-20 ... +70 °C
material (housing)	stainl. steel 1.4305
material (front cap)	Vectra®
protection class (EN 60529)	IP 50
connection	5m Teflon cable, M12-connector
connection accessories	e.g. <b>VK200025</b>
mounting accessories	e.g. <b>AY000100</b>

### connection



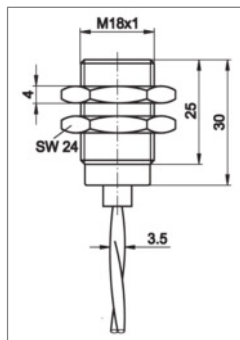
#### wire colors:

1 = BN (brown), 2 = WH (white),  
 3 = BU (blue), 4 = BK (black)

#### functions:

1 = L+, 2 = n. c., 3 = L-, 4 = PNP NO

### dimensional drawing



### note

The output stage is integrated in the M12-connector. To guarantee proper functioning of the device, the cable between Lemo-socket and M12-connector may in no case be cut!

The max. ambient temperature of the M12-connector is 70°C.

article-no: **IB18012T**

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