

VY200120

time stage

- / programmable timer for on and off delay**
- / direct adaption between sensor and cable socket**
- / factory setting 100ms off delayed**

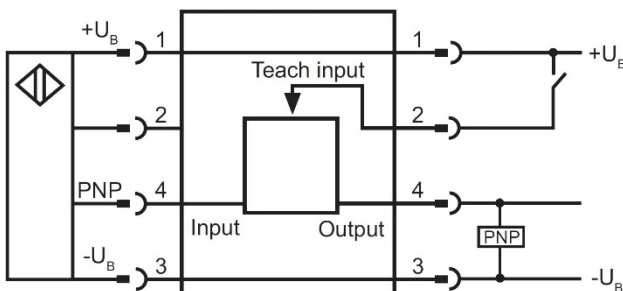


**easy programming via external teach-
in no additional installation necessary**

TECHNICAL DATA

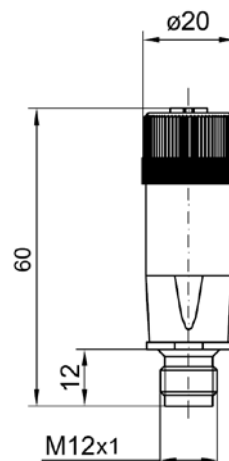
dimensions	Ø20 x 60mm
time range	1 ... 65535ms
operating voltage	10 ... 30V DC
residual ripple	≤ 10% of U _B
current consumption (w/o load)	< 10mA
input resistance	> 10kΩ
switching output	PNP transistor
output current (max. load)	150mA
short-circuit protection	+
display (function)	LED red
input frequency (pulse:pause = 1:1)	≤ 10kHz
input pulse width	≥ 50µs
temperature (operating)	0 ... 60°C
temperature (storage)	-20 ... +60°C
degree of protection	IP 67 (EN 60529)
housing	plastic PBTP / PA
connection	M12-socket / M12-connector, 4-pin

Connection



Colors: 1 brown, 2 white, 3 blue, 4 black

Dimensional drawing



Adjustment and programming

- On delay:**
1. Connect the sensor with the M12-socket of the time module and switch on the operating voltage. The connection can be made by a 4-wire cable socket, e.g. VK200321.
 2. Connect the teach input A (PIN 2, white) to +U_B (PIN 1, brown).
 3. Activate the sensor. The time the sensor is activated corresponds to the delay at a later time.
 4. Release the teach-input from +U_B.

- Off delay:**
1. Connect the sensor with the M12-socket of the time module and switch on the operating voltage. The connection can be made by a 4-wire cable socket, e.g. VK200321.
 2. Activate the sensor.
 3. Connect the teach input A (PIN 2, white) with +U_B (PIN 1, brown).
 4. Disconnect the sensor. The time the sensor is not activated corresponds to the delay at a later time. If you wish an off delay of 4s, disconnect the sensor for 4s and activate it again.
 5. Disconnect the teach-input from +U_B.

Reset to factory settings: Connect the teach input A (PIN 2, white) for at least 10s to +U_B (PIN 1, brown). During this time the sensors's state must not be changed! The device operates now with an off delay of 100ms.

SAFETY WARNINGS:

This product may only be used in combination with a proximity switch according to EN 60947-5-2.

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these articles in applications where the safety of a person depends on their functionality.