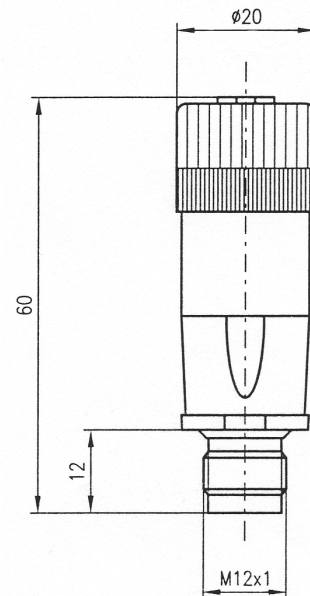▶ # time module

PRODUCT   time module

DESIGN   20   20 round

- programmable timer for pickup and dropout delay
- direct adaptation between sensor and connecting cable
- simple setting by means of external teach-in
- no additional installation requirements
- time range 1 … 65535ms
- factory setting: 100ms dropout delay

article no.   VY 20 01 20

technical data

operating voltage U_B	10 … 30V DC
residual ripple	≤ 10% of U_B
switching output	PNP-transistor
bias current	≤400mA, short circuit protection
status display	LED red
response time	0.1ms
ambient temperature	0 … 60°C
system of protection	IP 67 (EN 60529)
housing material	plastic, PBTP / PA
electrical connection	M12-socket / M12-plug, 4pin

electrical connection
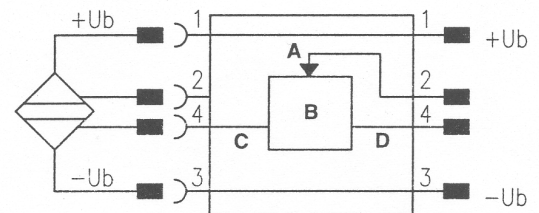
A teach-input   **B** timer
C input   **D** output
wire colours: 1 brown, 2 white, 3 blue, 4 black

adjustment

The delay time is set using the „teaching input" and „input" signals If, for example, a delay time of 1sec . is required, it can be set in the following way. Note: The operating voltage must be switched on.

1. connect the teaching input to $+U_B$

2. actuate the sensor for 1sec.. Now the time is set.

3. disconnect the teaching input from $+U_B$

Once the setting has been made, the device has a pickup delay for 1 sec. The setting is retained even when the device is switched off.

Resetting to factory settin (100ms dropout delay): Connect the teaching input A (pin2, white wire) to $+U_B$ (pin1, brown wire) for at least 10sec. During this 10sec. the state of the sensor must not change.

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