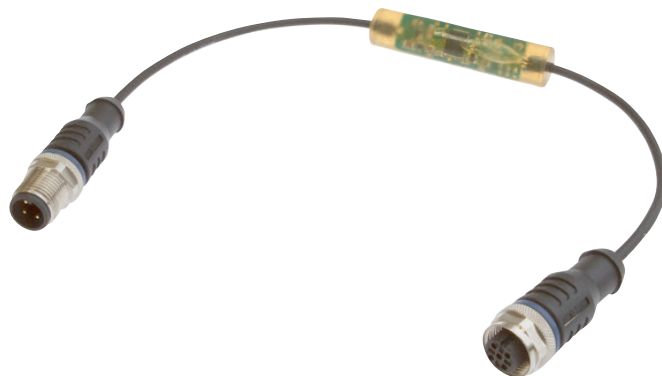


VY030125

CONNECTION TECHNOLOGY • TIME STAGES

Our multi-function time relays / pulse stretchers can be considered as real alternatives when it comes to solutions for minor set control technology problems. The input signals, for example, can be switch-on or off delayed after a preset time. In order to be able to reduce the storage, multi-function relays can be used that provide, in addition to the already mentioned functions, operating modes like time-programming, pulse-forming or clocking. Besides, there is also star / delta change-over for load-contactors integrated in the motor start control. Reversing the switching logic or the polarity is possible with our fast signal inverters / impulse stretchers. These are characterized by extremely short response times and high switching frequencies. As an input circuit for a PLC these devices are perfect to record short signal or level changes.



MECHANICAL DATA

| | |
|---|------------------|
| Ambient temperature | -25 °C ... 70 °C |
| Cable length | 0.3 m |
| Degree of protection (IP) | IP67 |
| Housing material | Plastic |
| Mounting method | Direct mounting |
| Positioning of cable feed, field side | Straight |
| Positioning of cable feed, housing side | Straight |

ELECTRICAL DATA

| | |
|---|--------|
| Clock function, starting with break, variable | No |
| Clock function, starting with pulse, variable | No |
| Function flashing, starting with break, fixed time | No |
| Function flashing, starting with pulse, fixed time | No |
| Function on-delay | Yes |
| Max. output current | 0.15 A |
| No-load current | 10 mA |
| Number of outputs, delayed, change-over contact | 0 |
| Number of outputs, delayed, normally closed contact | 0 |
| Number of outputs, delayed, normally open contact | 1 |
| Number of outputs, undelayed, change-over contact | 0 |
| Number of outputs, undelayed, normally closed contact | 0 |
| Number of outputs, undelayed, normally open contact | 0 |
| Number of pins | 3 |
| Number of pins of the connector | 4 |
| Number of pins of the coupling | 4 |
| Number of switching outputs | 1 |
| Number of time ranges | 1 |
| OFF pulse function | No |
| Off-delayed function | No |

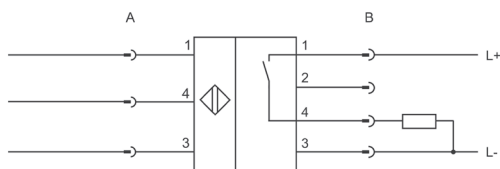
ELECTRICAL DATA

| | |
|---|-----------------------|
| ON pulse function | No |
| Operating voltage | 10 V ... 35 V |
| Pluggable on contactor | No |
| Pulse shaping function | No |
| Rated control supply voltage U_s at DC | 10 V ... 35 V |
| Setting procedure | Manual adjustment |
| Short-circuit-proof | Yes |
| Star-delta function | No |
| Switching voltage | 35 V |
| Time range | 0 s ... 0.15 s |
| Type of electrical connection | Plug-in connection |
| Type of electrical connection, field side | M12 |
| Type of electrical connection, housing side | M12 |
| Type of plug-in contact, field side | Female (socket) |
| Type of plug-in contact, housing side | Male (plug) |
| Type of signal input A | PNP |
| Type of signal output | PNP |
| Type of switching function | Normally open contact |
| Voltage type | DC |
| With LED display | Yes |
| With semiconductor output | Yes |

OTHER DATA

| | |
|---------------------------|----|
| Remote operation possible | No |
|---------------------------|----|

CONNECTION



Colors: A: 1 = BN (brown), 3 = BU (blue), 4 = BK (black)

B: 1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black) **Functions:** A: 1 = L+, 3 = L-, 4 = PNP NO

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

DIMENSIONAL DRAWING

INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL



SAFETY WARNINGS

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

information!