

## VY200120

### Connection technology • Timer stages

time stage, Turn-on/turn-off delayed, Ø20mm 60long, 65s, 10-30V DC, 1x NO, M12 4pin, IP67, Plastic, Teach-In



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.

#### Electrical features

Response/decay time	0.1 ms
Number of outputs, delayed, normally open contact	1
Number of switching outputs	1
Number of time ranges	1
Display	LED display
Type of signal processing	Turn-on/turn-off delayed
Type of input signal	PNP
Type of plug-in contact, A connection	Female (socket)
Type of plug-in contact, B connection	Male (connector)
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Type of signal input A	PNP
Type of A electrical connection	M12
Type of B electrical connection	M12
Rated switching current	150 mA
Setting procedure	Teach-In
Pulse stretching	1 - 65535 ms
Short-circuit protection	Yes
No-load current	10 mA
Number of pins of A connection	4
Number of pins of B connection	4
Time range	0 - 65 s
Operating voltage (DC)	10 - 30 V

**Mechanical features**

Diameter	20 mm
Cable infeed of A connection	straight
Storage temperature	-20 - 60 °C
Length	60 mm
Mounting method	Direct mounting
Degree of protection (IP)	IP67
Housing material	Plastic
Ambient temperature	0 - 60 °C

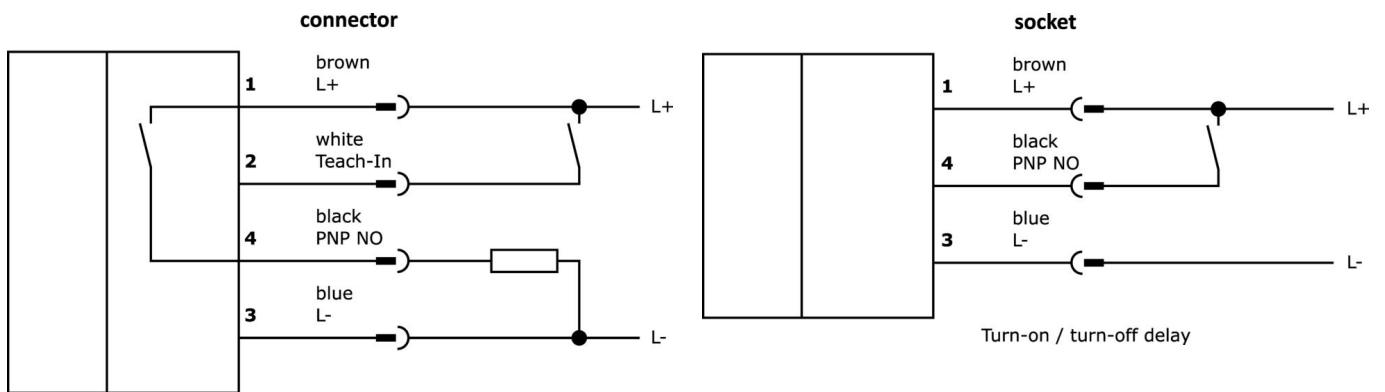
**Classification**

ETIM 8	EC001439 Time relay
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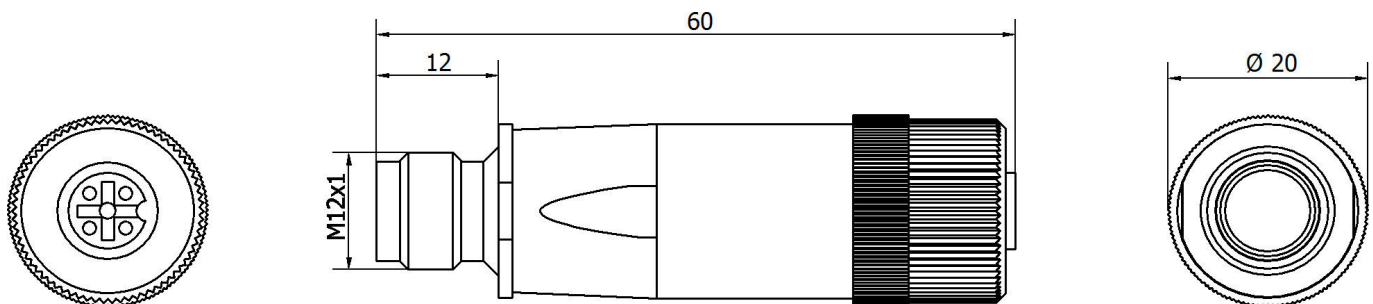
**More**

IPF Product Group	800 miscellaneous
packaging dimensions	91 x 60 x 30 mm
gross weight	27 g
Customs tariff number	85365005
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Dimensional drawing**



**Extract accessories program**

**VK030F21**



Connection cable, 0.3m, M12 socket 4-pin angular, M12 connector 4-pin straight, 4x0.34mm<sup>2</sup>, 240V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

**VK030F25**



Connection cable, 0.3m, M12 socket 4-pin straight, M12 connector 4-pin straight, 4x0.34mm<sup>2</sup>, PUR (polyurethane), 240V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

**VK200321**



Connection cable, 2m, M12 Female (socket) 4pin Angular, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø4.7mm, 250V, -40-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

**VK200325**



Connection cable, 2m, M12 Female (socket) 4pin Straight, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø4.7mm, 250V, -40-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

You can find further accessories on our homepage



**Installation**

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



**Disposal**

WEEE number according to § 6 para. 3 ElektroG: 40951076

**Safety warnings**

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

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