

# VY850001

## Connection technology • Inverters

Inverter/signal-inversion/turn-off delay, 85x65x18mm, 0.01-10s, 12-30V DC, 1x NC/NO, Clamp 8pin, IP40, Plastic, Plug-in jumpers



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

Number of outputs, undelayed, change-over contact	0
Number of outputs, delayed, normally open contact	1
Number of outputs, delayed, normally closed contact	1
Number of contacts as change-over contact	0
Number of switching outputs	1
Number of normally open contacts	1
Number of time ranges	3
Number of normally closed contacts	1
Display	LED display
Type of signal processing	Inverter/signal-inversion/turn-off delay
Type of input signal	PNP/NPN
Type of switching function	Normally closed contact/normally open contact
Type of electrical connection	Clamped terminal connection
Type of switching output	PNP/NPN
Type of signal input A	PNP/NPN
Rated switching current	300 mA
Setting procedure	Manual adjustment   plug-in jumper
Short-circuit protection	Yes
Number of pins	8
Switching frequency	20000 Hz
Switching voltage	30 V
Switching behavior of the output	Static
Reverse polarity protection	Yes
Time range	0,01 - 10 s
Operating voltage (DC)	12 - 30 V

**Mechanical features**

Width	17.5 mm
Height	85 mm
Length	65 mm
Mounting method	Top hat rail
Degree of protection (IP)	IP40
Housing material	Plastic
Ambient temperature	-10 - 60 °C

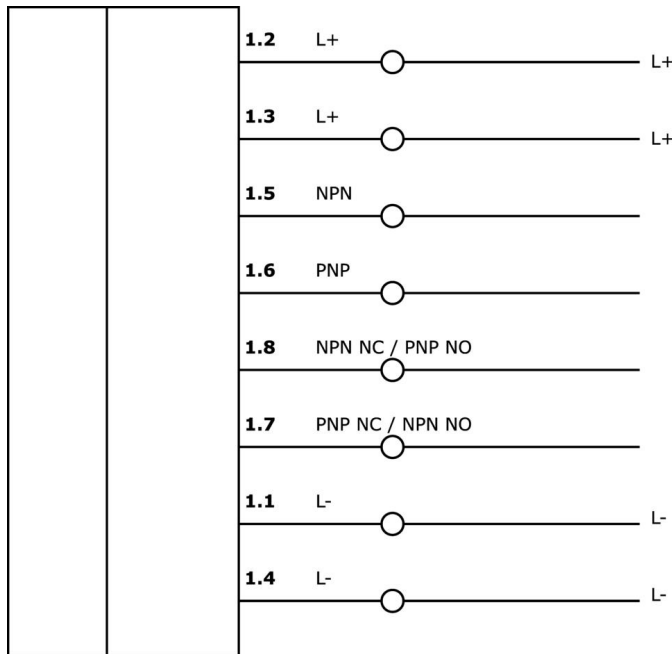
**Classification**

ETIM 8	EC001439 Time relay
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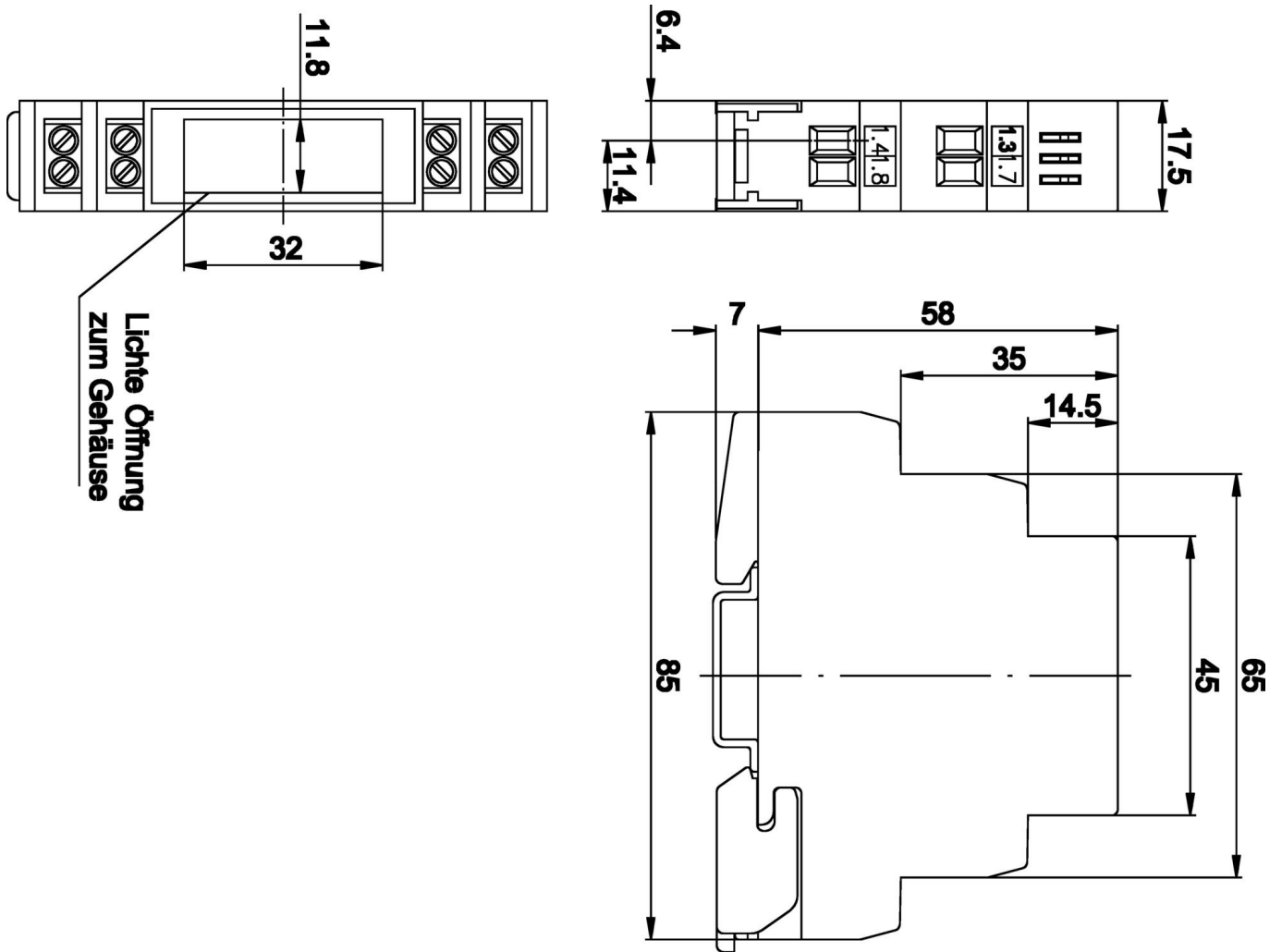
**More**

IPF Product Group	800 miscellaneous
packaging dimensions	123 x 77 x 25 mm
gross weight	70 g
Customs tariff number	85365005
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Dimensional drawing**



**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.