

VY85C102

CONNECTION TECHNOLOGY • SIGNAL INVERTERS

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 (MAX)	60 °C
Ambient temperature (MIN)	-10 °C
Degree of protection (IP)	IP40
Height	85 mm
Housing material	Plastic
Length	65 mm
Mounting method	DIN rail (top hat rail) 35 mm
Suitable for DIN rail (top hat rail) mounting	Yes
Width	17.5 mm

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	0.3 A
Number of outputs, delayed, change-over contact	0
Number of outputs, delayed, normally closed contact	1
Number of outputs, delayed, normally open contact	1
Number of outputs, undelayed, change-over contact	0
Number of outputs, undelayed, normally closed contact	1
Number of outputs, undelayed, normally open contact	1
Number of pins	8
Number of switching outputs	1
Number of time ranges	3
OFF pulse function	No
Off-delayed function	No
ON pulse function	No

ELECTRICAL DATA

Operating voltage (MAX)	30 V
Operating voltage (MIN)	10 V
Outputs, delayed/undelayed selectable	No
Pluggable on contactor	No
Pulse shaping function	No
Rated control supply voltage Us at DC (MAX)	30 V
Rated control supply voltage Us at DC (MIN)	10 V
Reverse polarity protection	Yes
Setting procedure	Manual adjustment
Short-circuit-proof	Yes
Star-delta function	No
Switching frequency	100 Hz
Time range (MAX)	10 s
Time range (MIN)	0.01 s
Type of electrical connection	Clamp
Type of signal input A	PNP/NPN
Type of signal output	PNP/NPN
Type of switching function	Normally closed contact/normally open contact
Voltage type	DC
With inversion	Yes
With LED display	Yes
With plug-in socket	No
With semiconductor output	Yes

OTHER DATA

Remote operation possible	No
Suitable only for remote control	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!

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