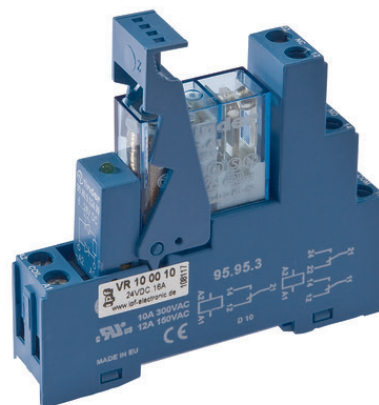


## VR100010

### COUPLING RELAYS • COUPLING RELAYS

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.

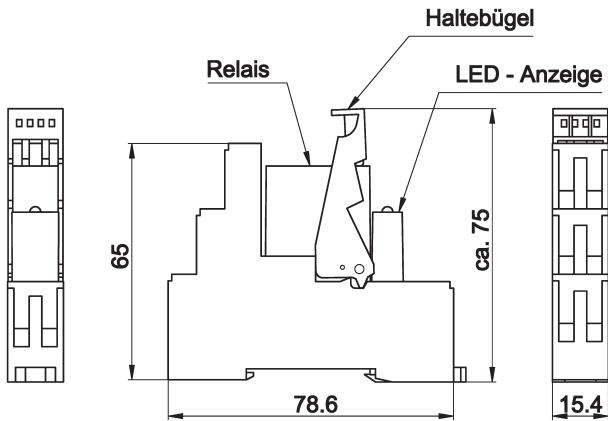


#### MECHANICAL DATA

Ambient temperature (MAX)	70 °C
Ambient temperature (MIN)	-40 °C
Contact coating material	Cadmium-oxygen
Contact material	Silver
Degree of protection (IP)	IP40
Height	78.6 mm
Housing design	Cuboid
Housing material	Plastic
Length	75 mm
Suitable for DIN rail (top hat rail) mounting	Yes
Width	15.4 mm

#### ELECTRICAL DATA

Connection type auxiliary circuit	Screw connection
Decay time	15 ms
Nominal measuring voltage	6000 V
Number of auxiliary contacts as change-over contact	1
Number of operating cycles	10000000
Operating range of the coil	DC: 0.75 - 1.5 nominal voltage
Rated control supply voltage $U_s$ at DC (MAX)	36 V
Rated control supply voltage $U_s$ at DC (MIN)	18 V
Response time	10 ms
Switching capacity	4000 VA
Switching frequency	40 Hz
Switching voltage (MAX)	400 V
Switching voltage (MIN)	5 V
Type of switching output	Relay contact
With LED display	Yes

**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.