



- \* increases switching capacity
- \* drop-out delay

### RANGE OF APPLICATION

The multifunctional relays are contact protectors for single contacts to protect the switching safety and capacity of threshold instruments. All kinds of possible switch irritations such as vibration, mechanical stress are reduced and the switching stability improved.

### TECHNICAL DATA

#### Supply

supply voltage	230 V AC (-10% +6%), 50..60 Hz
current consumption	typ. 22 mA
<b>Control signals</b>	
control voltage	35..40 V DC pulses
pulse/pause ratio	0.5 ms / 50 ms ±20%
slope steepness	∟ = approx. 120 V/μs ∟ = approx. 20 V/μs
switching threshold	9.7 V DC ±10%
input imdedance	2200 Ohm, 100 nF ±20%
wire and contact resistance	4700 Ohm, 47 nF

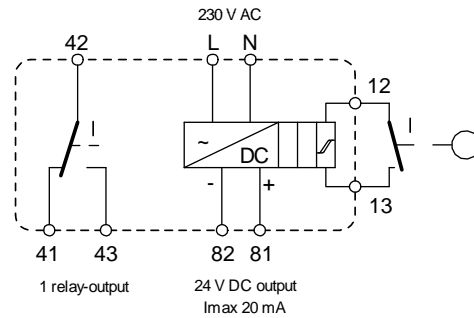
#### Outputs

1 relay output	change over contact
pick-up delay time	typ. 10..60 ms
fall delay time	typ. 450 ms
breaking capacity max.	1860 VA
switching voltage max.	250 V AC , 50 Hz ( 100 V DC )
max. switching current	8 A AC , 0.5 A DC
electr. service life	10E5 operations with 6 operations / minute and a load of 220 VAC, 50 Hz,
mech. service life	10E7 operations (without load)
1 voltage output	24 V DC ±10% ; I <sub>max</sub> 20 mA (only for external devices)

#### Mechanical

materials	polyamid 6.6 green
connection	standard rail acc. 35 x 7.5 (DIN 50022)
temperature	0..70°C
protection class	IP 20
weight	0.25 kg

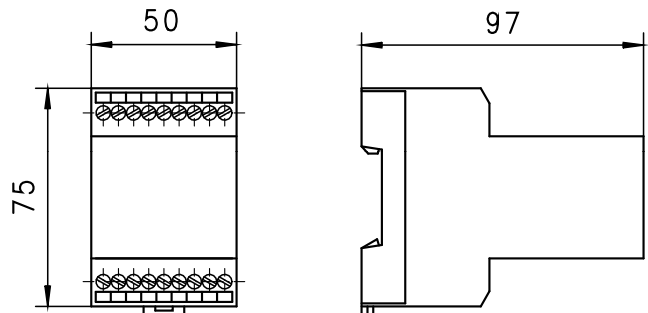
### TERMINAL ASSIGNMENT



### MOUNTING

The housing can be mounted and connected on a top-hat rail in a control cabinet or equivalent housing.

### DIMENSIONS



All technical changes reserved

●BASIC Standard   ○BASIC Programme option   □VARIO Special option   ⊕ PLUS Accessories   ✗not recommendable