

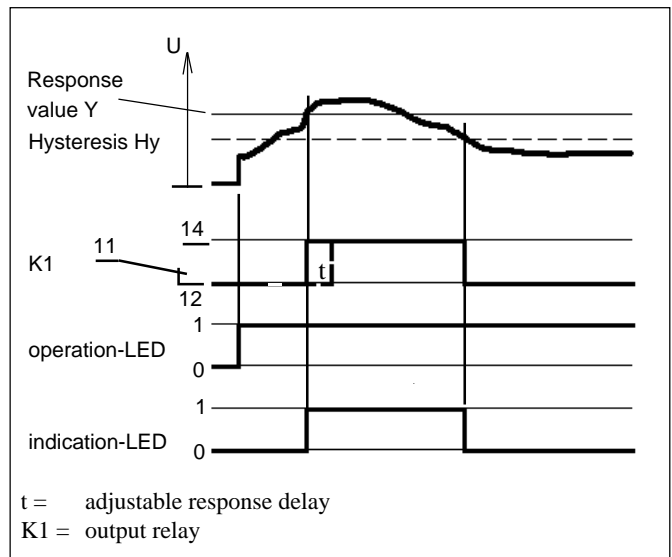


- ⇒ **electronic measuring relay**
- ⇒ **indicates overvoltage**
- ⇒ **impulse-voltage proof and HF-noise resistant**
- ⇒ **output relay with two change-over contact**
- ⇒ **built-in operation-LED**
- ⇒ **built-in indication-LED**
- ⇒ **steplessly adjustable: response value**
- response time**
- hysteresis**
- ⇒ **compact 45 mm casing**
- ⇒ **response values: 20 ... 60 V**
- 50 ... 150 V**
- 120 ... 300 V**

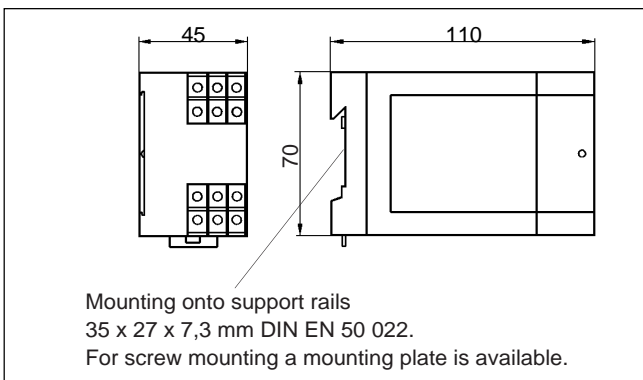
Function

If the monitored voltage exceeds the adjusted response value "Y" the red indication-LED signals "V>Y" and at the end of the adjusted response time "t" the output relay K1 reacts.

If the voltage falls below the adjusted response value together with the adjusted hysteresis "Hy" the output relay drops out and the red indication-LED extinguishes at the end of the switch-back delay of approx. 100 ms.



Dimension Diagram



Technical Data SUA141

Nominal insulation voltage	AC 380 V
Contact circuits	AC 250 V
Insulation group	C
Test voltage	2500 V

Max. self-consumption 1,5 W, 1,5 VA

Rated mains voltage U_N max. DC or AC 40...400 Hz 300 V

Response value steplessly adjustable 20...60 V, 50...150 V, or 120...300 V

Temperature influence <0.05% / °C

Switching hysteresis steplessly adjustable 2 ... 10 %

Response retardation steplessly adjustable 0.1 ... 10 sec

Ready to trip time max. 0.5 sec

OFF-delay ca. 100 ms

Repeat accuracy < ± 1.5 %

Temperature influence < 0,2 % / °C

Switch components two free change-over contacts

Switch capacity max. 33 W, 1100 VA

Nominal contact voltage 230 V

Permanent current 5 A

Break capacity

at AC 230 V and cos. phi = 0,4 3 A

at DC 110 V and L/R = 0 0.3 A

Operating principle NC operation

Admissible ambient temperature when operating -15°C ... +50°C

258 K ... 323 K

when stored -20°C ... +70°C

253 K ... 343 K

Tests acc. to VDE 0435 part 303 and IEC 255-4

Impulse voltage strength class III

HF-noise resistance class III

Climatic class according to DIN 40 040 F

Mounting indifferent

Type of connection terminal screws with self-lifting clamp-washers

Terminal screws M 3.5

Wire cross section

single wire 2x (1 ... 1.5 mm²) 16 AWG

fine braid with end sleeve 2x (0.75 ... 1.5 mm²) 16 AWG

Protection class according to DIN 40 050

Internal components IP 50

Terminals IP 10

with terminal covers IP 20

Casing

Behaviour in fire according to UL 94 V - 0

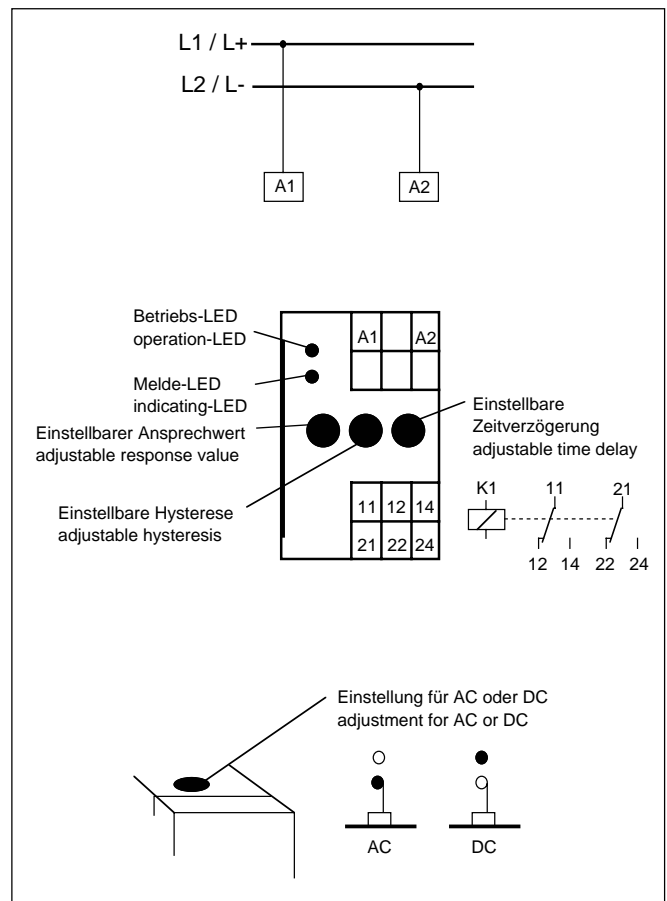
Fixing on support rail according to DIN EN 50 022 or screw mounting*

Wiring diagram Z 320 104

weight approx. 170 g

* Accessories for screw mounting:
Mounting plate art.-no.: 300 102

Wiring diagram



Legend to wiring diagram

K1 output relay with two free change-over contacts

Ordering details

Type	Response value	Art.-No.
SUA141	UC 20...60 V	932 560
	UC 50...150 V	932 561
	UC 120...300 V	932 562

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