



for voltage monitoring in AC or DC networks

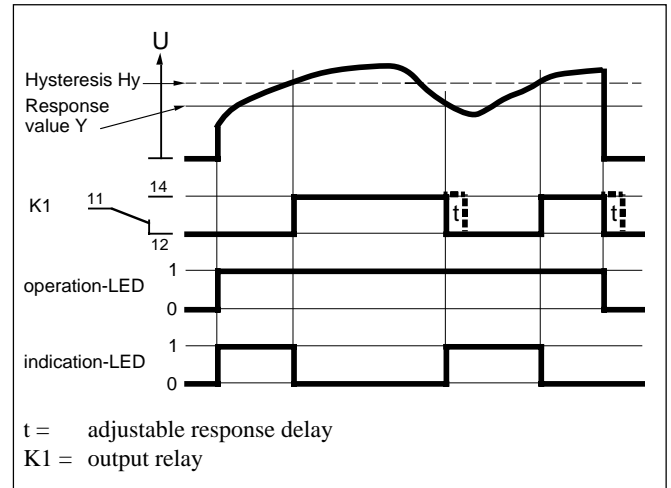


- ⇒ electronic measuring relay
- ⇒ indicates undervoltage
- ⇒ impulse-voltage proof and HF-noise resistant
- ⇒ output relay with two change-over contacts
- ⇒ built-in operation-LED
- ⇒ built-in indication-LED
- ⇒ steplessly adjustable: response value
 response time
 hysteresis
- ⇒ compact 45 mm casing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

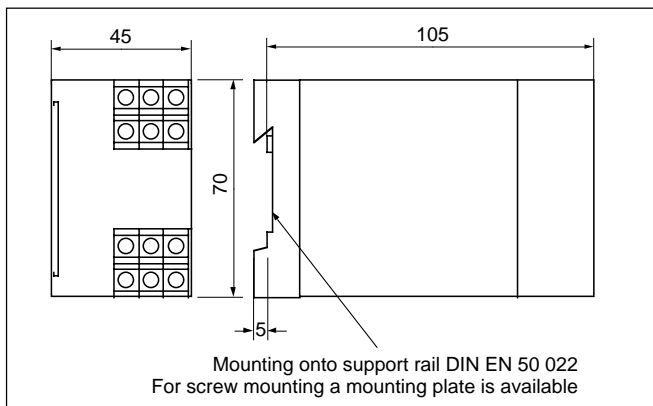
Function

If the monitored voltage falls below 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 adjusted response value together with the adjusted hysteresis "Hy" is exceeded, the output relay reacts and the red indication-LED extinguishes at the end of the switch-back delay of approx. 200 ms.



Dimension Diagram

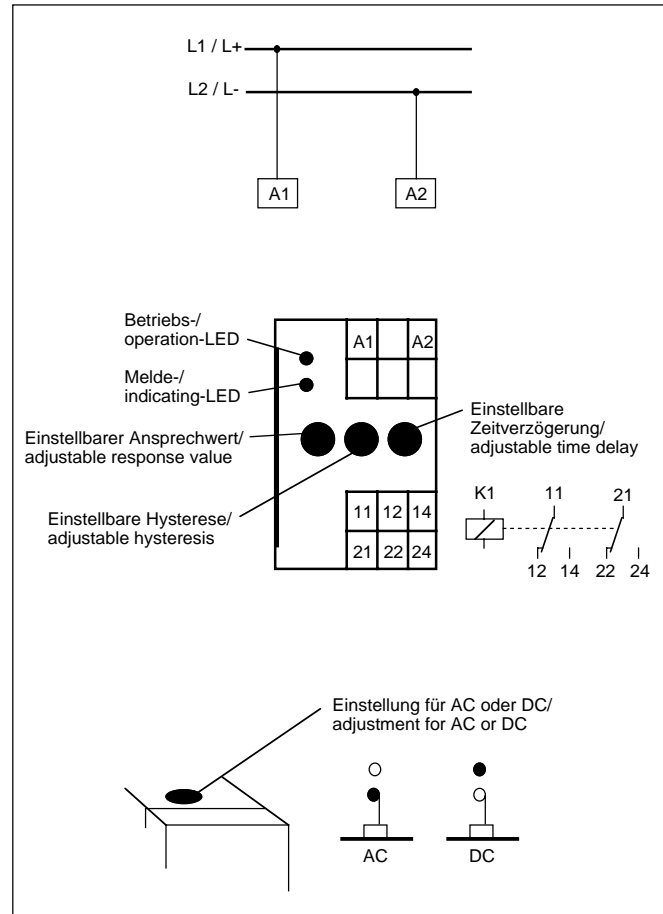


Technical Data SUA140

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	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 %
ON-delay steplessly adjustable	0.1 ... 10 sec
Ready to trip time max.0.5 sec	
OFF-delay	ca. 200 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	NO operation
Admissible ambient temperature	
when operating	-15°C ... +50°C / 258 K ... 323 K
when stored	-20°C ... +70°C / 253 K ... 343 K
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 mm ²) 16 AWG
fine braid with end sleeve	2x (0.75 ... 1.5 mm ²) 16 AWG
Protection class according to DIN 40 050	
Internal components	IP 50
Terminals / with terminal covers	IP 10 / IP 20
Casing	
Behaviour in fire according to	UL 94 V - 0
Fixing	on support rails according to DIN EN 50 022 or for screw mounting*
Wiring diagram	Z 320 103
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.
SUA140	UC 20...60 V	932 557
	UC 50...150 V	932 558
	UC 120...300 V	932 559

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