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Operating Instructions - Archive Document

SW 32 SE

Application

The SW 32 SE voltage control is used for under- and overvoltage protection in a 3-phase netwerk without N, adjustable with , one relay (1NO, 1NC)
The switchung point can be freely selected between 70...95 % x U_S and 105...115 % x U_S.
A red indicator (LED) signals the cause of switchung in the case of either under- and overvoltage.
The hysterese is 2 % Urated.
The relay delay time is shorter then150 ms. The hysteresis is about 2 % Urated.

Installation - Putting into operation

The plug base can be mounted either with
* 35 mm mounting rail according to DIN 50 002 or
* M4 screws

Wiring directly to plug base
* Connect wires as per wiring scheme
* Plug in electronics and fix with knurled screw

Attention!
Do not plug in device alive nor detach it from socket.

When installing the device into the switch-gear cabinet, please observe the max. admissible temperature. Care for sufficient clearance to other devices or sources of heat or enough forced draught. Generally recommended mininum clearance: 2 cm.

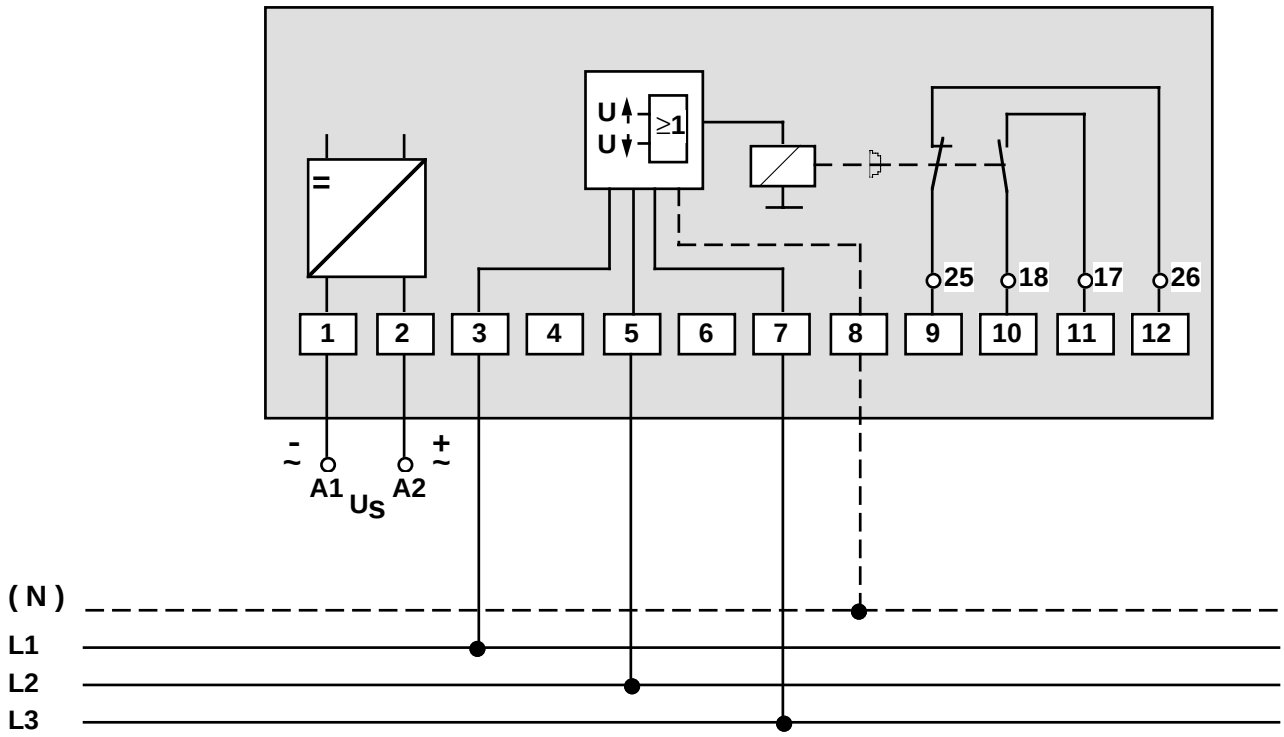
Before switching on make sure that the operational voltage Us of the lateral type plate and the mains voltage are the same.

* Apply measurement voltage UM to terminals 3,5 and 7.
* Apply supply voltage Us to terminals 1 and 2, if different from measurement voltage.
* When device is ready for operation, the relay switches on immediately, the LED's are off.

Technical Data

	……
Type-Plate:	
Order number:	
Supply voltage Us:	see type plate
Frequency:	
	on the device
	……
Supply voltage Us (option) terminals 1 and 2,	
Tolerance voltage Us	AC 0.85...1.1 Us
Tolerance frequency Us	48...62Hz
Switching point	
Measurement voltage UM terminals 3,5 and 7	
Undervoltage	70...95 %
Overvoltage	105...115 %
Hysteresis	2 % Urated
Relay delay time	< 150 ms
Relay output	
Contacts 1NO /1NC	
Switching voltage	AC max. 415 V
Switching current	AC max. 6 A
Switching power	AC max. 1100 VA
Rated operational current I_e	4A AC15 230 V
	4A DC13 24V
Prefuse for device and contacts	F 4 A
Mechanical contact life	10^7 operations
Electrical contact life	10^5 operations (at 5A, 230V)
Testing conditions	VDE 0660 / VDE 0160
Rated insulation voltage	AC 415 V
Isolation	VDE 0110 / Gr. C
Transformer	VDE 0551
Test voltage between measuring voltage and relay outputs	3.6 kV
Test voltage between supply voltage and measuring voltage	3.6 kV
On period	100 %
max. ambient temperature	-20 ... +50 °C
Climatic category	F (according to DIN 40 040)
Housing:	design S-12, plug-in housing
Dimensions (H x W x D)	82 x 42 x 121 mm
Line connection	12-pole, max. 2 x 1.5 mm^2 each
Protection housing	IP 40
Protection contacts	IP 20
Panel inclination	any
Mounting	snapable on 35 mm standard rail according to DIN EN 50 022 or assembly with screws M 4
Weight	app. 300 g

Wiring Scheme



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