

## Technical Data Overexcitation control

**Type KUS 3.50** 



Description

Overexcitation control for solenoids with two separated coils or one double-layer coil

Features	
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- switching from parallel to serial connection
- increased starting force of actuating solenoids
- Short reaction time
- usable for inching mode (max. 5 min)
  - cycle range min. 5 sec
  - consider Rel. On-time

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	Supply	min	max	
	Voltage	210	250	V AC
	Overexcitation current		6	Α
	Overexcitation time	1,2	1,5	S
	Holding current		1,5	Α
	Frequency	47	63	Hz

Ambient Conditions	min	max	
Storage	-20	+70	°C
Operation	0	+45	°C
Humidity	max. 90% uncondensed		

Design

The device is in a totally insulated enclosure IP65. The standard delivery consists of cable entries with self-sealing rubber, therefore the degree of protection degreases to IP64. In case the higher protection of IP65 shall be reached, high-strength cable glands must be used.

The control input and output cables have to be installed separately. The solenoid must be connected to the PE-system.

Weight and Dimension	L	W	Н	
Dimension	160	100	100 mm	
Weight			950 g	

### Connections

Power Supply

Connections for solenoid

PE

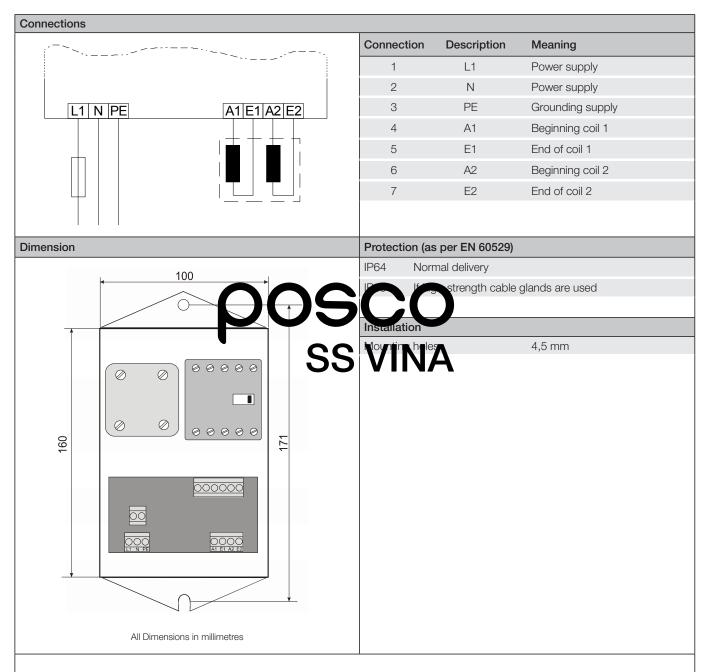
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# Dimensions Overexcitation control

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### Warning

- ⇒ Installation and commissioning must be carried out by sufficient skilled staff.
- $\Rightarrow$  Before opening the enclosure, verify the device is free of voltage!
- $\Rightarrow$  All applicable standards and regulation must be kept, espacially the DIN VDE.
- ⇒ Fuse and wiring diameter according rated current.
- $\Rightarrow$  Nominal voltage and currend must not be increased.
- ⇒ In case of blown fuse, the device must be replaced.