

## Technical Data

### Overexcitation control

Type KUS 3.50

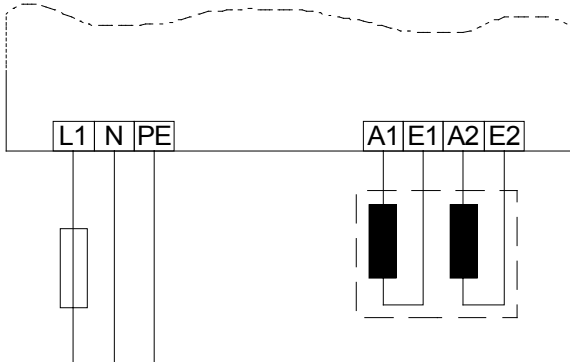
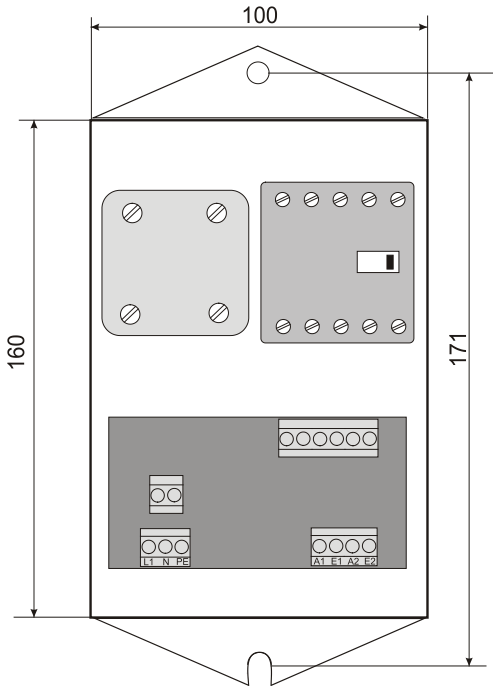


Description	Part Number			
Overexcitation control for solenoids with two separated coils or one double-layer coil	2200800107			
Features	Technical Data			
<ul style="list-style-type: none"> <li>switching from parallel to serial connection</li> <li>increased starting force of actuating solenoids</li> <li>Short reaction time</li> <li>usable for inching mode (max. 5 min) <ul style="list-style-type: none"> <li>- cycle range min. 5 sec</li> <li>- consider Rel. On-time</li> </ul> </li> </ul>	Supply	min	max	
	Voltage	210	250	V AC
	Overexcitation current		6	A
	Overexcitation time	1,2	1,5	s
	Holding current		1,5	A
	Frequency	47	63	Hz
	Ambient Conditions	min	max	
	Storage	-20	+70	°C
	Operation	0	+45	°C
	Humidity	max. 90% uncondensed		
Design	Weight and Dimension	L	W	H
<p>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 degrades to IP64. In case the higher protection of IP65 shall be reached, high-strength cable glands must be used.</p> <p>The control input and output cables have to be installed separately. The solenoid must be connected to the PE-system.</p>	Dimension	160	100	100 mm
	Weight			950 g
	Connections			
	Power Supply			
	Connections for solenoid			
	PE			

Dimensions

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Connections																									
	<table><tr><th>Connection</th><th>Description</th><th>Meaning</th></tr><tr><td>1</td><td>L1</td><td>Power supply</td></tr><tr><td>2</td><td>N</td><td>Power supply</td></tr><tr><td>3</td><td>PE</td><td>Grounding supply</td></tr><tr><td>4</td><td>A1</td><td>Beginning coil 1</td></tr><tr><td>5</td><td>E1</td><td>End of coil 1</td></tr><tr><td>6</td><td>A2</td><td>Beginning coil 2</td></tr><tr><td>7</td><td>E2</td><td>End of coil 2</td></tr></table>	Connection	Description	Meaning	1	L1	Power supply	2	N	Power supply	3	PE	Grounding supply	4	A1	Beginning coil 1	5	E1	End of coil 1	6	A2	Beginning coil 2	7	E2	End of coil 2
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 <p>All Dimensions in millimetres</p>	<table><tr><th colspan="2">Protection (as per EN 60529)</th></tr><tr><td>IP64</td><td>Normal delivery</td></tr><tr><td>IP65</td><td>If high-strength cable glands are used</td></tr></table>	Protection (as per EN 60529)		IP64	Normal delivery	IP65	If high-strength cable glands are used																		
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	Installation																								
Mounting holes	4,5 mm																								

Warning

⇒ Installation and commissioning must be carried out by sufficient skilled staff.

⇒ Before opening the enclosure, verify the device is free of voltage!

⇒ All applicable standards and regulation must be kept, espacially the DIN VDE.

⇒ Fuse and wiring diameter according rated current.

⇒ Nominal voltage and currend must not be increased.

⇒ In case of blown fuse, the device must be replaced.