

SWITCH-DISCONNECTOR 200A, FRAME SIZE 2, 3-POLE FRONT OPERATING LEFT BASIC UNIT WITHOUT HANDLE FLAT TERMINAL INCL. PHASE BARRIERS



Model	
Product brand name	SETRON
Product designation	3KD switch disconnecter
Design of the product	Switch
Display version / for switch position indicator door-coupling rotary operating mechanism	ON-OFF
Design of the operating mechanism	Without handle
Type of the driving mechanism / motor drive	No

General technical data	
Number of poles	3
Type of device	fixed mounting
Size of switch disconnecter	2
Electrical endurance (switching cycles)	
<ul style="list-style-type: none"> <li>• at AC-23 A / at 690 V / at 50/60 Hz</li> </ul>	1 500
<ul style="list-style-type: none"> <li>• at DC-23 A / at 440 V</li> </ul>	1 000
<ul style="list-style-type: none"> <li>• I<sup>2</sup>t value / with closed switch / for combination switch + fuse / at 500 V / maximum</li> </ul>	210 500 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>• I<sup>2</sup>t value / with closed switch / for combination switch + fuse / at 400 V / maximum</li> </ul>	210 500 A <sup>2</sup> ·s

<ul style="list-style-type: none"> <li>• I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum</li> </ul>	226 000 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>• I2t value / of the fuse / at 500 V / maximum permissible</li> </ul>	780 005 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>• I2t value / of the gG fuse / at 690 V / maximum permissible</li> </ul>	525 005 A <sup>2</sup> ·s
circuit-breaker / Design	3KD3
Mechanical service life (switching cycles) / typical	15 000
Position / of the switch operating mechanism	at the left end
Overvoltage category	III

### Voltage

Operating voltage / with current paths in series	
<ul style="list-style-type: none"> <li>• with degree of pollution 2 / at DC / rated value / Note</li> </ul>	440 V / 3
<ul style="list-style-type: none"> <li>• with degree of pollution 3 / at DC / rated value / Note</li> </ul>	440 / 3
Insulation voltage	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	1 000 V
Surge voltage resistance / rated value	8 kV
Overvoltage in percent / relative to the operating voltage / at AC / at 50/60 Hz	10 %

### Protection class

Protection class IP	IP00
Protection class IP	
<ul style="list-style-type: none"> <li>• with closed switch / with cover or cable lug cover</li> </ul>	IP20
<ul style="list-style-type: none"> <li>• on the front</li> </ul>	IP00

### Dissipation

Power loss [W]	
<ul style="list-style-type: none"> <li>• with conventional rated thermal current / per pole</li> </ul>	6.4 W
<ul style="list-style-type: none"> <li>• with conventional rated thermal current / per device</li> </ul>	19.2 W
<ul style="list-style-type: none"> <li>• for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	6.4 W
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	19.2 W

### Electricity

Operating current	
<ul style="list-style-type: none"> <li>• at AC-21 A / at 400 V / maximum</li> </ul>	200 A
<ul style="list-style-type: none"> <li>• at AC-21 A / at 500 V / maximum</li> </ul>	200 A
<ul style="list-style-type: none"> <li>• at AC-21 A / at 690 V / maximum</li> </ul>	200 A

• at AC-23 A / at 500 V / at 50/60 Hz / rated value / maximum	160 A
• at AC-22 A / at 500 V / at 50/60 Hz / rated value / maximum	200 A
• at AC-22 A / at 400 V / at 50/60 Hz / rated value / maximum	200 A
• at AC-22 A / at 690 V / at 50/60 Hz / rated value / maximum	200 A
• at AC-23 A / at 400 V / at 50/60 Hz / rated value / maximum	160 A
• at AC-23 A / at 690 V / at 50/60 Hz / rated value / maximum	125 A
• at DC-23 A / at 440 V / rated value / maximum	160 / 3
• at DC-23 A / at 220 V / rated value / maximum	160 / 2
• at DC-22 A / at 440 V / rated value / maximum	160 / 3
• at DC-22 A / at 220 V / rated value / maximum	160 / 2
• at DC-21 A / at 440 V / rated value / maximum	160 / 3
• at DC-21 A / at 220 V / maximum	160 / 2
Current / at AC / rated value	200 A
Continuous current	
• rated value	200 A
• at 40 °C / rated value	200 A
• at 45 °C / rated value	200 A
• at 50 °C / rated value	200 A
• at 55 °C / rated value	200 A
• at 60 °C / rated value	200 A
• at 65 °C / rated value	200 A
• at 70 °C / rated value	200 A
Continuous current / at DC / rated value	160 A
Let-through current / of the fuse / at 500 V / maximum permissible	24 872 A
Let-through current / of the gG fuse / at 690 V / maximum permissible	25 005 A
Let-through current / with closed switch	
• at 690 V / for combination switch + gG fuse / maximum permissible	19 000 A
• for combination switch + fuse / at 400 V / maximum permissible	18 000 A
• for combination switch + fuse / at 500 V / maximum permissible	18 000 A
Short-time current resistance (I <sub>cw</sub> )	
• at 690 V AC/440 V DC / limited to 1 s / rated value	4 kA

## Main circuit

### Operating power

• at AC-23 A / at 400 V / at 50/60 Hz / rated value	90 kW
• at AC-23 A / at 500 V / at 50/60 Hz / rated value	110 kW
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	110 kW

### Operating voltage

• at AC / at 50/60 Hz / rated value	690 V
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## Auxiliary circuit

Number of connected NC contacts / for auxiliary contacts	0
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Number of connected NO contacts / for auxiliary contacts	0
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Number of connected CO contacts / for auxiliary contacts	0
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## Suitability

### Suitability for use

• Main switch	Yes
• switch disconnecter	Yes
• EMERGENCY OFF switch	Yes
• safety switch	Yes
• maintenance/repair switch	Yes

## Product details

Product feature / interlock	No
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### Product component

• Trip indicator	No
• Voltage trigger	No
• undervoltage release	No
• undervoltage release with leading contact	No

### Product extension

• Auxiliary switch	Yes
• optional	
— motor drive	No
— Voltage trigger	No

## Short circuit

### Short-circuit current making capacity (I<sub>cm</sub>)

• for switch disconnecter / at 690 V AC/440 V DC / without fuse link / rated value / minimum	12 kA
• for switch disconnecter / without fuse link / rated value / minimum	12 kA

Conditional short-circuit current / with line-side fuse protection	
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• at 500 V / by gG fuse / rated value	50 kA
Short-time current resistance (I <sub>cw</sub> ) / limited to 1 s / rated value	4 kA

### Connections

• Type of connectable conductor cross-sections / for aluminum conductor / stranded / with lug	1x (10 ... 70 mm <sup>2</sup> )
<b>Type of electrical connection</b>	
• for main current circuit	flat connector

### Mechanical Design

Height	168 mm
Width	121 mm
Depth	68 mm
Mounting position	any
Mounting type	Screw fixing and standard rail mounting 35 mm
Mounting type	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	No
• rail mounting	Yes
Net weight	830 g

### Environmental conditions

Degree of pollution	3
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### Certificates

• Reference identifier / acc. to DIN EN 61346-2	Q
• Reference identifier / acc. to DIN EN 81346-2	Q

<b>General Product Approval</b>	<b>Declaration of Conformity</b>
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[Miscellaneous](#)



### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3KD3630-0NE10-0>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3KD3630-0NE10-0>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

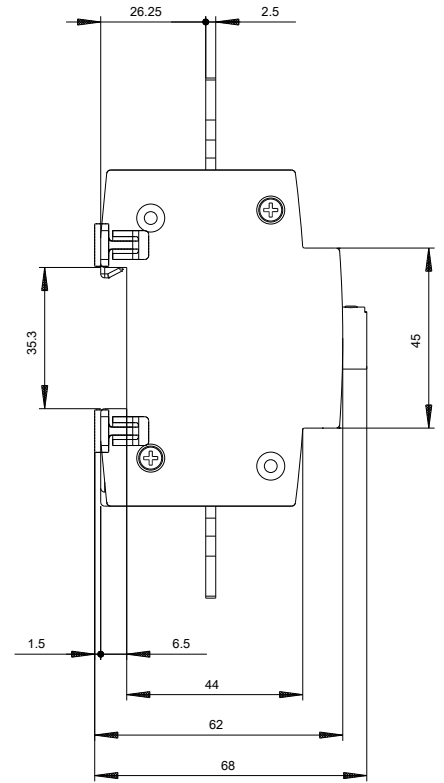
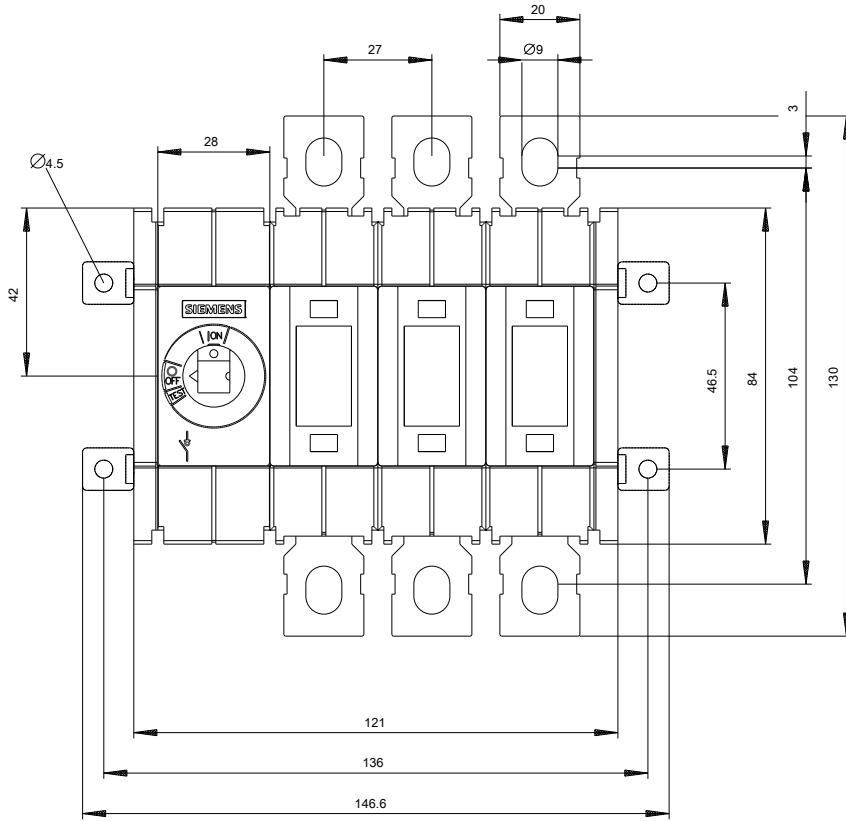
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3KD3630-0NE10-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3KD3630-0NE10-0)

**CAX-Online-Generator**

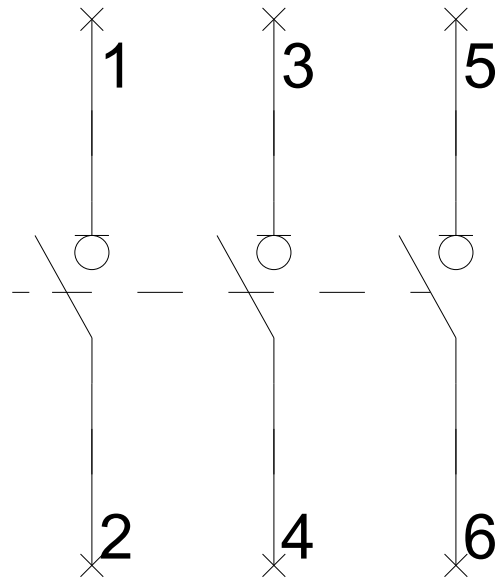
<http://www.siemens.com/cax>

**Tender specifications**

<http://www.siemens.com/specifications>



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