

Switch disconnecter in new design  $I_u=160$  A,  $U_e = 690$  V, 3-pole basic version without 8UC6 handle and shaft



Figure similar

Model	
Product brand name	SENTRON
Product designation	Switch Disconnecter 3KA
Design type	For mounting and installation
Design of the operating mechanism	manual operating mechanism
Design of the load switch / Strip form	No
Type of the driving mechanism / motor drive	No
Type of device	fixed mounting
Protection against electrical shock	finger-safe
Type of voltage	AC/DC
Insulation voltage / rated value	1 000 V
Protection class	
Protection class IP	IP00
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	7.33 W

## Electricity

Let-through current / I <sub>2 t</sub> / maximum permissible / in utilization category / AC-22 B / at 400 V	223 000 A <sup>2</sup> ·s
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## Main circuit

Number of poles / for main current circuit	3
Operating power	
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	80 000 W
• at AC-23 A / at 500 V / at 50/60 Hz / rated value	80 000 W
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	110 000 W
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
• at DC / rated value	440 V
Rated current I <sub>e</sub> / maximum / in utilization category	
• AC-21 A / at 400 V	160 A
• AC-21 A / at 500 V	160 A
• AC-21 B / at 400 V	160 A
• AC-21 B / at 500 V	160 A
• AC-22 A / at 400 V	160 A
• AC-22 A / at 500 V	160 A
• AC-22 B / at 400 V	160 A
• AC-22 B / at 500 V	160 A

## Short circuit

Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) / at 400 V / rated value	120 kA
Conditional rated short-circuit current	
• 400V	120 kA
• 500V	120 kA
• in utilization category / AC-21 A / at 400 V	120 kA
• in utilization category / AC-21 A / at 500 V	120 kA
• in utilization category / AC-21 B / at 400 V	120 kA
• in utilization category / AC-21 B / at 500 V	120 kA
• in utilization category / AC-22 A / at 400 V	120 kA
• in utilization category / AC-22 A / at 500 V	120 kA
• in utilization category / AC-22 B / at 400 V	120 kA
• in utilization category / AC-22 B / at 500 V	120 kA

## Connections

<b>Connectable conductor cross-section</b>	
• for main contacts	
— stranded / maximum	120 mm <sup>2</sup>
Type of connection, main circuit	Flat-type screw terminal
<b>Type of electrical connection</b>	

- for main current circuit

flat connector

## Mechanical Design

Height	125 mm
Width	185 mm
Depth	143 mm
Type of mounting	fixed mounted
Mounting position	any
Mounting type	floor mounting
Mounting type	
<ul style="list-style-type: none"> <li>• front mounting with 4-hole attachment</li> </ul>	No
<ul style="list-style-type: none"> <li>• front mounting with central attachment</li> </ul>	No
<ul style="list-style-type: none"> <li>• rail mounting</li> </ul>	No

## Environmental conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation / minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul>	55 °C
<ul style="list-style-type: none"> <li>• during storage / minimum</li> </ul>	-50 °C
<ul style="list-style-type: none"> <li>• during storage / maximum</li> </ul>	80 °C

## Certificates

Reference code	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	Q
<ul style="list-style-type: none"> <li>• acc. to IEC 81346-2:2009</li> </ul>	Q

General Product Approval	Declaration of Conformity	Test Certificates	other
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[Special Test Certificate](#)

[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?mlfb=3KA5330-1AE01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KA5330-1AE01>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KA5330-1AE01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5330-1AE01)

### CAX-Online-Generator

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

### Tender specifications

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

