

Switch disconnecter in new design  $I_u=250$  A,  $U_e = 690$  V, 3-pole  
basic version without 8UC6 handle and shaft



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	11 W
Electricity	

Let-through current / I <sub>2t</sub> / maximum permissible / in utilization category / AC-22 B / at 400 V	1 000 000 A <sup>2</sup> ·s
<b>Main circuit</b>	
Number of poles / for main current circuit	3
Operating power	
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	132 000 W
• at AC-23 A / at 500 V / at 50/60 Hz / rated value	132 000 W
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	185 000 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	250 A
• AC-21 A / at 500 V	250 A
• AC-21 B / at 400 V	250 A
• AC-21 B / at 500 V	250 A
• AC-22 A / at 400 V	250 A
• AC-22 A / at 500 V	250 A
• AC-22 B / at 400 V	250 A
• AC-22 B / at 500 V	250 A
<b>Auxiliary circuit</b>	
Number of CO contacts / for auxiliary contacts	0
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	0
<b>Short circuit</b>	
Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) / at 400 V / rated value	120 kA
Conditional rated short-circuit current	
• 400V	100 kA
• 500V	100 kA
• in utilization category / AC-21 A / at 400 V	100 kA
• in utilization category / AC-21 A / at 500 V	100 kA
• in utilization category / AC-21 B / at 400 V	100 kA
• in utilization category / AC-21 B / at 500 V	100 kA
• in utilization category / AC-22 A / at 400 V	100 kA
• in utilization category / AC-22 A / at 500 V	100 kA
• in utilization category / AC-22 B / at 400 V	100 kA
• in utilization category / AC-22 B / at 500 V	100 kA
<b>Connections</b>	
<b>Connectable conductor cross-section</b>	
• for main contacts	

— stranded / maximum	150 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	160 mm
Width	240 mm
Depth	207 mm
Type of mounting	fixed mounted
Mounting position	any
Mounting type	floor mounting
Mounting type	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	No
• rail mounting	No
Net weight	4.45 kg

Environmental conditions	
Ambient temperature	
• during operation / minimum	-25 °C
• during operation / maximum	55 °C
• during storage / minimum	-50 °C
• during storage / maximum	80 °C

Certificates	
Reference code	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval	other



UL



EG-Konf.

[Special Test Certificate](#)



GL

[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=3KA5530-1AE01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KA5530-1AE01>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KA5530-1AE01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5530-1AE01)

**CAX-Online-Generator**  
<http://www.siemens.com/cax>

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