

Switch disconnecter in new design  $I_u=63$  A,  $U_e = 690$  V, 4-pole 4th pole selectable, AC-21A with door drive 8UC7 Handle dark blue/blue-green Basic masking frame light gray



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
Insulation voltage / rated value	690 V
Type of voltage	AC/DC
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
• at DC / rated value	440 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	2.33 W
<b>Current</b>	
Let-through current / I <sub>2 t</sub> / maximum permissible / in utilization category / AC-22 B / at 400 V	24 000 A <sup>2</sup> ·s
<b>Main circuit</b>	
Number of poles / for main current circuit	4
Operating power	
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	30 000 W
• at AC-23 A / at 400 V / rated value	30 000 W
• at AC-23 A / at 500 V / rated value	30 000 W
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	40 000 W
Operating current / rated value	63 A
Rated current I <sub>e</sub> / maximum / in utilization category	
• AC-21 A / at 400 V	63 A
• AC-21 A / at 500 V	63 A
• AC-21 B / at 400 V	63 A
• AC-21 B / at 500 V	63 A
• AC-22 A / at 400 V	63 A
• AC-22 A / at 500 V	63 A
• AC-22 B / at 400 V	63 A
• AC-22 B / at 500 V	63 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	50 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

Connectable conductor cross-section / for main contacts	
<ul style="list-style-type: none"> <li>• stranded / maximum</li> </ul>	35 mm <sup>2</sup>
Type of connection, main circuit	Flat-type screw terminal
Type of electrical connection	
<ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>	flat connector

## Mechanical Design

Height	110 mm
Width	215 mm
Depth	143 mm
Type of mounting	fixed mounted
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
Mounting position	any
Net weight	2.449 kg

## Environmental conditions

Ambient temperature / during operation	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	55 °C
Ambient temperature / during storage	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-50 °C
<ul style="list-style-type: none"> <li>• 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 DIN EN 81346-2</li> </ul>	Q

**Declaration of Con-  
formity**

**Test Certificates**

**Shipping Approval**



[Special Test Certificate](#)



## 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=3KA5040-1GE01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KA5040-1GE01>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KA5040-1GE01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5040-1GE01)

**CAX-Online-Generator**

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

**Tender specifications**

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