

SWITCH DISCONNECTOR IN NEW DESIGN IU=160A, UE=690V,
3-POLE WITH DOOR DRIVE 8UC7 HANDLE TI-GREY/BL.GREEN
BASIC MASKING FRAME LIGHT GRAY



Model	
product brandname	SENTRON
Product designation	Switch Disconnecter 3KA
Design type	For mounting and installation
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
maximum	22 W
Electricity	
Let-through current / I _{2 t} / maximum permissible / in utilization category / AC-22 B / at 400 V	223 000 A ² ·s
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 • at AC-23 A / at 500 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value	80 000 W 80 000 W 110 000 W
Operating voltage	
• at AC / at 50/60 Hz / rated value • at DC / rated value	690 V 440 V
Rated current I_e / maximum / in utilization category	
• AC-21 A / at 400 V • AC-21 A / at 500 V • AC-21 B / at 400 V • AC-21 B / at 500 V • AC-22 A / at 400 V • AC-22 A / at 500 V • AC-22 B / at 400 V • AC-22 B / at 500 V	160 A 160 A 160 A 160 A 160 A 160 A 160 A 160 A

Short circuit

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

Connections

Connectable conductor cross-section	
• for main contacts — stranded / maximum	120 mm ²
Type of connection, main circuit	Flat-type screw terminal
Type of electrical connection	
• 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	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	No
• rail mounting	No

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

Equipment marking

- acc. to DIN EN 61346-2

Q

General Product Approval	Declaration of Conformity	Test Certificates	other
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UL



EG-Konf.

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Further information

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

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

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KA5330-1GE01>

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

<http://support.automation.siemens.com/WW/view/en/3KA5330-1GE01/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5330-1GE01

CAX-Online-Generator

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

Tender specifications

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