

SWITCH DISCONNECTOR NEW DESIGN IU=80A, UE=690V, 3-
POLE BASIC VERSION WITHOUT 8UC6 HANDLE AND SHAFT



Model	
product brandname	SENTRON
Product designation	Switch Disconnecter 3KA
Design type	For mounting and installation
Insulation voltage / rated value	690 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	4 W
maximum	12 W
Electricity	
Let-through current / I _{2t} / maximum permissible / in utilization category / AC-22 B / at 400 V	130 000 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	40 000 W
• at AC-23 A / at 500 V / at 50/60 Hz / rated value	40 000 W
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	50 000 W
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
• at DC / rated value	440 V
Rated current I_e / maximum / in utilization category	
• AC-21 A / at 400 V	80 A
• AC-21 A / at 500 V	80 A
• AC-21 B / at 400 V	80 A
• AC-21 B / at 500 V	80 A
• AC-22 A / at 400 V	80 A
• AC-22 A / at 500 V	80 A
• AC-22 B / at 400 V	80 A
• AC-22 B / at 500 V	80 A

Short circuit

Maximum short-circuit current breaking capacity (I _{cu}) / at 400 V / rated value	100 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 — stranded / maximum	35 mm ²
Type of connection, main circuit	Flat-type screw terminal
Type of electrical connection	
• for main current circuit	flat connector

Mechanical Design

Height	105 mm
Width	120 mm
Depth	150 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

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Declaration of Conformity

Test Certificates



EG-Konf.

[spezielle Prüfbescheinigungen](#)

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/3KA5130-1AE01>

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

<http://support.automation.siemens.com/WW/view/en/3KA5130-1AE01/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5130-1AE01

CAX-Online-Generator

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

Tender specifications

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

