

SWITCH DISCONNECTOR NEW DESIGN IU=63A, 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	2.33 W
maximum	7 W
Electricity	
Let-through current / I _{2t} / maximum permissible / in utilization category / AC-22 B / at 400 V	24 000 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	30 000 W
• at AC-23 A / at 500 V / at 50/60 Hz / rated value	30 000 W
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	40 000 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	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

Short circuit	
Maximum short-circuit current breaking capacity (I _{cu}) / 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 — 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	Q

Declaration of Conformity	Test Certificates	Shipping Approval			other
 EG-Konf.	spezielle Prüfbescheinigung n	 BUREAU VERITAS	 GL	 PRS	sonstig

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/3KA5030-1AE01
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3KA5030-1AE01/all
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5030-1AE01
CAX-Online-Generator http://www.siemens.com/cax
Tender specifications http://www.siemens.com/specifications

