

SWITCH DISCONNECTOR NEW DESIGN IU=630A, 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	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	56.6 W
maximum	170 W
Electricity	
Let-through current / I _{2 t} / maximum permissible / in utilization category / AC-22 B / at 400 V	2 600 000 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	350 000 W
at AC-23 A / at 500 V / at 50/60 Hz / rated value	350 000 W
at AC-23 A / at 690 V / at 50/60 Hz / rated value	280 000 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	630 A
AC-21 A / at 500 V	630 A
AC-21 B / at 400 V	630 A
AC-21 B / at 500 V	630 A
AC-22 A / at 400 V	630 A
AC-22 A / at 500 V	630 A
AC-22 B / at 400 V	630 A
AC-22 B / at 500 V	630 A
Short circuit	

Maximum short-circuit current breaking capacity (Icu) / at 400 V / rated value	65 kA
Conditional rated short-circuit current	
• 400V	55 kA
• 500V	55 kA
• in utilization category / AC-21 A / at 400 V	55 kA
• in utilization category / AC-21 A / at 500 V	55 kA
• in utilization category / AC-21 B / at 400 V	55 kA
• in utilization category / AC-21 B / at 500 V	55 kA
• in utilization category / AC-22 A / at 400 V	55 kA
• in utilization category / AC-22 A / at 500 V	55 kA
• in utilization category / AC-22 B / at 400 V	55 kA
• in utilization category / AC-22 B / at 500 V	55 kA

Connections

Connectable conductor cross-section	
• for main contacts	
— stranded / maximum	480 mm ²
Type of connection, main circuit	Flat-type screw terminal
Type of electrical connection	
• for main current circuit	flat connector

Mechanical Design

Height	180 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

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
 UL	 EG-Konf.	spezielle Prüfbescheinigungen	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/3KA5830-1AE01>

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

<http://support.automation.siemens.com/WW/view/en/3KA5830-1AE01/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5830-1AE01

CAX-Online-Generator

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

Tender specifications

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