

Switch disconnecter in new design $I_u=80$ A, $U_e = 690$ V, 4-pole basic version without 8UC6 handle and shaft 4th pole selectable, AC-21A



Figure similar

Model	
Product brand name	SETRON
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	4 W
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Current

Let-through current / I _{2 t} / maximum permissible / in utilization category / AC-22 B / at 400 V	130 000 A ² ·s
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Main circuit

Number of poles / for main current circuit	4
Operating power	
<ul style="list-style-type: none"> • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 500 V / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value 	<ul style="list-style-type: none"> 40 000 W 40 000 W 40 000 W 50 000 W
Operating current / rated value	80 A
Rated current I _e / maximum / in utilization category	
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> 80 A 80 A 80 A 80 A 80 A 80 A 80 A 80 A

Auxiliary circuit

Number of CO contacts / for auxiliary contacts	0
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	0

Short circuit

Maximum short-circuit current breaking capacity (I _{cu}) / at 400 V / rated value	100 kA
Conditional rated short-circuit current	
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none">• stranded / maximum	35 mm ²
Type of connection, main circuit	Flat-type screw terminal
Type of electrical connection	
<ul style="list-style-type: none">• for main current circuit	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">• front mounting with 4-hole attachment	No
<ul style="list-style-type: none">• front mounting with central attachment	No
<ul style="list-style-type: none">• rail mounting	No
Mounting position	any
Net weight	2.053 kg

Environmental conditions

Ambient temperature / during operation	
<ul style="list-style-type: none">• minimum	-25 °C
<ul style="list-style-type: none">• maximum	55 °C
Ambient temperature / during storage	
<ul style="list-style-type: none">• minimum	-50 °C
<ul style="list-style-type: none">• maximum	80 °C

Certificates

Reference code	
<ul style="list-style-type: none">• acc. to DIN EN 61346-2	Q
<ul style="list-style-type: none">• acc. to DIN EN 81346-2	Q

Declaration of Conformity

Test Certificates



EG-Konf.

[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?mlfb=3KA5140-1AE01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KA5140-1AE01>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5140-1AE01

CAX-Online-Generator

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

Tender specifications

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