

SWITCH DISCONNECTOR 630A, SIZE 4, 6-POLE DC
FRONT DRIVE CENTER BASIC UNIT WITHOUT
HANDLE FLAT-TYPE TERMINAL



Model		
product brandname		SETRON
Product designation		Switching device
Design of the product		3KD switch disconnectors
Display version / for switch position indicator door-coupling rotary operating mechanism		ON-OFF
Design of the operating mechanism		without
Design of handle		without
Type of the driving mechanism / motor drive		No
General technical data		
Number of poles		6
Type of device		fixed mounting
Size of switch disconnectors		4
Electrical endurance (switching cycles)		
• at DC-21 A / at 1000 V		100
circuit-breaker / Design		3KD4
Mechanical service life (switching cycles) / typical		8 000
Position / of the switch operating mechanism		after the third pole
Overvoltage category		IV

Voltage		
Operating voltage / with current paths in series		
• with degree of pollution 2 / at DC / rated value / Note		1200 / 6
• with degree of pollution 3 / at DC / rated value / Note		1000 / 6
Insulation voltage		
• with degree of pollution 2 / at DC / rated value	V	1 250
• with degree of pollution 3 / at DC / rated value	V	1 000
Surge voltage resistance / rated value	kV	12
Protection class		
Protection class IP		
		IP00
Protection class IP		
• with closed switch / with cover or cable lug cover		IP20
• on the front		IP00
Dissipation		
Power loss [W]		
• with conventional rated thermal current / per pole	W	22
Electricity		
Continuous current		
• rated value	A	630
• at 40 °C / rated value	A	630
• at 45 °C / rated value	A	630
• at 50 °C / rated value	A	630
• at 55 °C / rated value	A	630
• at 60 °C / rated value	A	630
• at 65 °C / rated value	A	630
• at 70 °C / rated value	A	630
Continuous current / at DC / rated value	A	630
Short-time current resistance (I_{cw})		
• at DC / at 1200 V / limited to 1 s / rated value	kA	20
Main circuit		
Operating power		
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	kW	355
• at AC-23 A / at 500 V / at 50/60 Hz / rated value	kW	400
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	kW	500
Auxiliary circuit		

Number of connected NC contacts / for auxiliary contacts		0
Number of connected NO contacts / for auxiliary contacts		0
Number of connected CO contacts / for auxiliary contacts		0
Number of CO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts		8
Number of NO contacts / for auxiliary contacts		8

Suitability

Suitability for use		
• Main switch		Yes
• switch disconnecter		Yes
• EMERGENCY OFF switch		Yes
• safety switch		Yes
• maintenance/repair switch		Yes

Product details

Product feature / interlock		No
Product component		
• Trip indicator		No
• Voltage trigger		No
• undervoltage release		No
• undervoltage release with leading contact		No
Product extension		
• Auxiliary switch		Yes
• optional		
— motor drive		No
— Voltage trigger		No

Short circuit

• Short-circuit current making capacity (I _{cm}) / for switch disconnecter / at 1200 V / without fuse link / rated value / minimum	kA	28.4
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Connections

• Type of connectable conductor cross-sections / for aluminum conductor / stranded / with lug		1x (25 ... 240mm ²), 2x (25 ... 240mm ²)
• Type of connectable conductor cross-sections / for copper conductor / stranded / with lug / acc. to DIN 46234		1x (120 ... 240mm ²), 2x (95 ... 240mm ²)
• Type of connectable conductor cross-sections / for copper conductor / stranded / with lug / acc. to DIN 46235		1x (120 ... 240mm ²), 2x (95 ... 240mm ²)
Type of electrical connection		

- for main current circuit

flat connector

Mechanical Design

Height	mm	235
Width	mm	440
Depth	mm	110
Mounting position		any
Mounting type		floor mounting
Mounting type		
<ul style="list-style-type: none"> • front mounting with 4-hole attachment • front mounting with central attachment • rail mounting 		No No No
Net weight	g	10 800

Environmental conditions

Ambient temperature		
<ul style="list-style-type: none"> • during operation / minimum • during operation / maximum • during storage / minimum • during storage / maximum 	°C	-25 70 -50 80

Certificates

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

General Product Approval

[sonstig](#)

Declaration of Conformity



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/3KD4660-0QE20-0>

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

<http://support.automation.siemens.com/WW/view/en/3KD4660-0QE20-0/all>

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

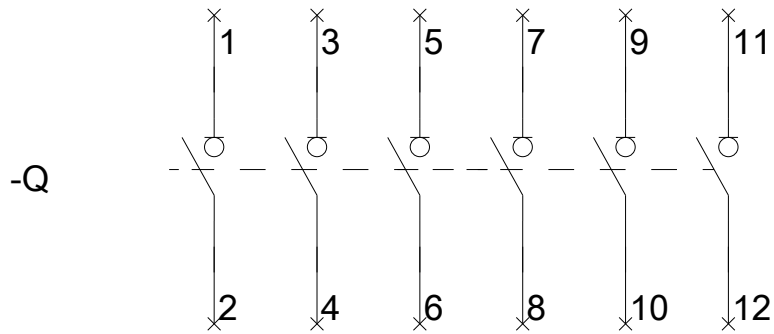
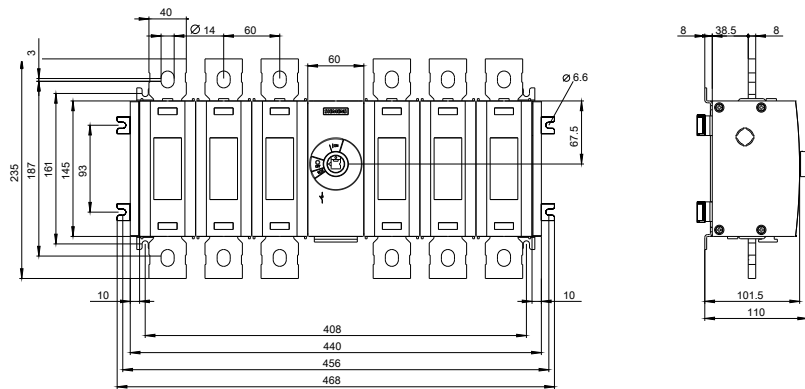
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD4660-0QE20-0

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



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10/14/2016