SIEMENS

Data sheet 3KD5430-0RE20-0

SWITCH-DISCONNECTOR 1600A, FRAME SIZE 5, 3-POLE FRONT OPERATING CENTER BASIC UNIT WITHOUT HANDLE FLAT TERMINAL



Model		
product brand name		SENTRON
Product designation		Switching device
Design of the product		3KD switch disconnectors
Design of the operating mechanism		without
Design of handle		without
Type of the driving mechanism / motor drive		No

General technical data		
Number of poles		3
Type of device		fixed mounting
circuit-breaker / Design		3KD5
Mechanical service life (switching cycles) / typical		6 000
Overvoltage category		IV

Voltage		
Insulation voltage / Rated value	V	1 000
Surge voltage resistance / Rated value	kV	12

Protection class		
Protection class IP		IP00
Protection class IP / on the front		IP00

Dissipation		
Active power loss		
• with conventional rated thermal current / per pole	W	120

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Electricity		
Continuous current		
• Rated value	A	1 600
• at 40 °C / Rated value	A	1 600
• at 45 °C / Rated value	A	1 600
• at 50 °C / Rated value	A	1 600
• at 55 °C / Rated value	A	1 600
• at 60 °C / Rated value	A	1 250
• at 65 °C / Rated value	A	1 250
• at 70 °C / Rated value	A	1 250
Short-time current resistance (Icw) / limited to 1 s / Rated value	kA	50

Main circuit		
Operating power		
• at AC-23 A / at 400 V / at 50/60 Hz / Rated value	kW	400
• at AC-23 A / at 500 V / at 50/60 Hz / Rated value	kW	560
• at AC-23 A / at 690 V / at 50/60 Hz / Rated value	kW	800
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690

Auxiliary circuit		
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 disconnector		Yes
• EMERGENCY OFF switch		No
• 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 expansion		

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• Auxiliary switch		Yes
• optional		
— motor drive		No
— Voltage trigger		No

Connections

Type of electrical connection		
• for main current circuit		flat connector

Mechanical Design

Height	mm	310
Width	mm	360
Depth	mm	152.5
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
Net weight	g	15 700

Environmental conditions

Degree of pollution		3
Ambient temperature		
• during operation / minimum	°C	-25
• during operation / maximum	°C	70
• during storage / minimum	°C	-50
• during storage / maximum	°C	80

Certificates

Equipment marking / acc. to DIN EN 61346-2		Q

General Product Approval	Declaration of Conformity
VDE, EAC	EG-Konf.

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/3KD54300RE200

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3KD54300RE200/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD54300RE200

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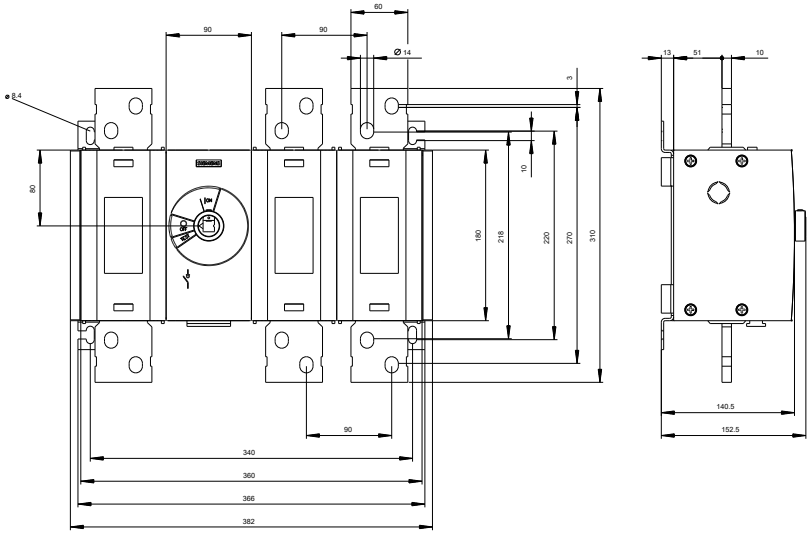

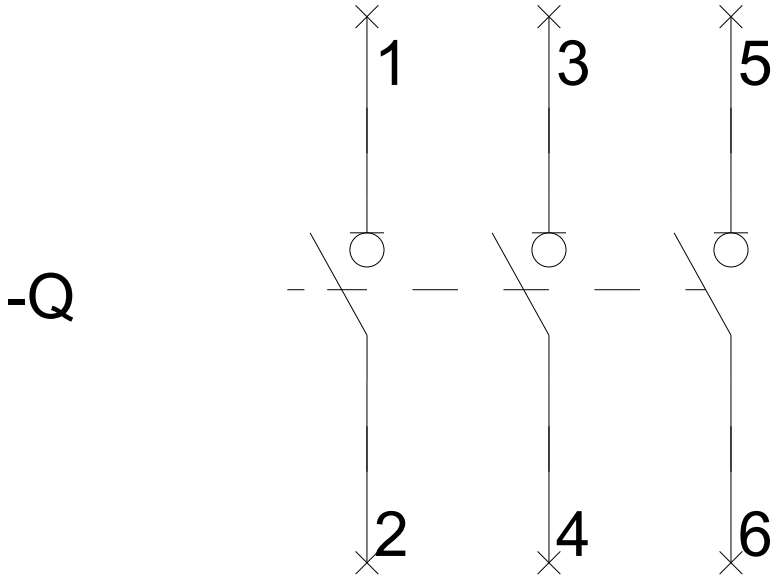

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