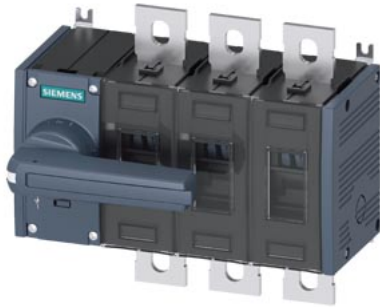


Switch disconnecter 315 A, Size 3, 3-pole Front operating mechanism left
Complete unit with direct operating mechanism gray flat terminal



Model	
product brand name	SENTRON
product designation	3KD switch disconnecter
design of the product	Switch
display version / for switch position indicator manual operation	ON-OFF-TEST
design of the actuating element	Long rotary knob
type of the driving mechanism	Front operating mechanism
type of the driving mechanism / motor drive	No
General technical data	
number of poles	3
type of device	fixed mounting
size of switch disconnecter	3
mechanical service life (switching cycles) / typical	15 000
electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	1 000
• at DC-23 A / at 440 V	1 000
I ² t value	
• with closed switch / at 1000 V / for combination switch +gG/aM SITOR fuse / maximum	239 650 A ² ·s
• of the fuse / at 500 V / maximum permissible	2 150 005 A ² ·s
• of the gG fuse / at 690 V / maximum permissible	1 650 005 A ² ·s
• of the gG/aM SITOR fuse / at 1000 V / maximum permissible	260 000 A ² ·s
• of the molded case circuit breaker / at 415 V / maximum permissible	4 750 000 A ² ·s
position / of the switch operating mechanism	at the left end
overvoltage in percent / relative to the operating voltage / at AC / at 400, 500, 690 V / at 50/60 Hz	10 %
overvoltage category	IV
degree of pollution	3
Voltage	
operating voltage / with current paths in series	
• with degree of pollution 2 / at DC / rated value	440 V / 3
• with degree of pollution 3 / at DC / rated value	440 V / 3
insulation voltage	
• rated value	1 000 V
surge voltage resistance / rated value	12 kV
Protection class	
protection class IP	IP00

protection class IP	
<ul style="list-style-type: none"> with closed switch / with cover or cable lug cover on the front 	IP20 IP00
Dissipation	
power loss [W]	
<ul style="list-style-type: none"> with conventional rated thermal current / per pole with conventional rated thermal current / per device for rated value of the current / at AC / in hot operating state / per pole 	10 W 30 W 10 W
Current	
operational current	
<ul style="list-style-type: none"> at 35 °C / rated value at 40 °C / rated value at 45 °C / rated value at 50 °C / rated value at 55 °C / rated value at 60 °C / rated value at 65 °C / rated value at 70 °C / rated value at AC / rated value at AC-23 A / at 690 V / rated value at AC-23 A / at 500 V / rated value at AC-23 A / at 400 V / rated value at AC-22 A / at 1000 V / maximum at AC-22 A / at 690 V / rated value at AC-22 A / at 500 V / rated value at AC-22 A / at 400 V / rated value at AC-20 A / at 1000 V / maximum at AC-21 A / at 500 V / rated value at AC-21 A / at 690 V / rated value at DC-20 A / at 1000 V / maximum at DC-23 A / at 440 V / rated value / note at DC-23 A / at 220 V / rated value / note at DC-22 A / at 440 V / rated value / note at DC-22 A / at 220 V / rated value / note at DC-21 A / at 440 V / rated value / note at DC-21 A / at 220 V / rated value at DC-21 B / at 750 V / rated value / maximum 	315 A / 1 315 A / 3 315 A / 2 315 A / 3 315 A / 2 315 A / 3 315 A / 2 315 A / 3 315 A / 2 315 A / 3
continuous current / of upstream fuse / at 500 V and 690 V / rated value	500 A
continuous current / of upstream fuse / at 1000 V / rated value	500 A
continuous current / of upstream molded case circuit breaker / at 415 V / rated value	630 A
operational current / at DC / rated value	315 A
let-through current / of the fuse / at 500 V / maximum permissible	54 800 A
let-through current / of the gG fuse / at 690 V / maximum permissible	45 200 A
let-through current / of the gG/aM SITOR fuse / at 1000 V / maximum permissible	21 500 A
let-through current / of the molded case circuit breaker / at 415 V / maximum permissible	43 500 A
Main circuit	
operating power	
<ul style="list-style-type: none"> at AC-23 A / at 500 V / rated value 	200 kW
operational current / rated value	315 A
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	6
number of NO contacts / for auxiliary contacts	6
Suitability	
suitability for use	
• main switch	Yes
• switch disconnecter	Yes
• EMERGENCY OFF switch	No
• safety switch	Yes
• maintenance/repair switch	Yes
Product details	
product feature / interlock	Yes
product component	
• trip indicator	No
• voltage trigger	No
• undervoltage release	No
• undervoltage release with leading contact	No
product extension / auxiliary switch	Yes
product extension / optional	
• motor drive	No
• voltage trigger	No
Short circuit	
short-time withstand current (I _{cw}) / at 1000 V AC/440 V DC / limited to 1 s / rated value	13 kA
short-circuit current making capacity (I _{cm}) / for switch disconnecter	
• at 1000 V AC / without fuse link / rated value / minimum	36 kA
• at DC 440 V / without fuse link / rated value / minimum	36 kA
• without fuse link / rated value / minimum	36 kA
conditional short-circuit current / with line-side fuse protection	
• at 415 V / by molded case circuit breaker / rated value	65 kA
• at 500 V / by gG fuse / rated value	100 kA
• at 690 V / by gG fuse / rated value	100 kA
Connections	
type of connectable conductor cross-sections / for aluminum conductor	
• stranded / with lug	1x (25 ... 240 mm ²), 2x (25 ... 120 mm ²)
type of connectable conductor cross-sections	
• for copper busbar	1 x (30 x 10 mm ²)
type of connectable conductor cross-sections / for copper conductor	
• stranded / with lug / acc. to DIN 46235	1x (16 ... 185 mm ²), 2x (16 ... 150 mm ²)
type of electrical connection / for main current circuit	flat connector
Mechanical Design	
height	164 mm
width	190 mm
depth	130.5 mm
fastening method	screw fixing
fastening method	
• 4-hole front mounting	No
• front mounting with central attachment	No
• rail mounting	No
mounting position	any
net weight	2 941 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C

• maximum	70 °C
ambient temperature / during storage	
• minimum	-50 °C
• maximum	80 °C
General Product Approval	
Declaration of Conformity	



Miscellaneous



[UK Declaration of Conformity](#)



Marine / Shipping	other
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Miscellaneous

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=3KD4032-0PE10-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KD4032-0PE10-0>

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

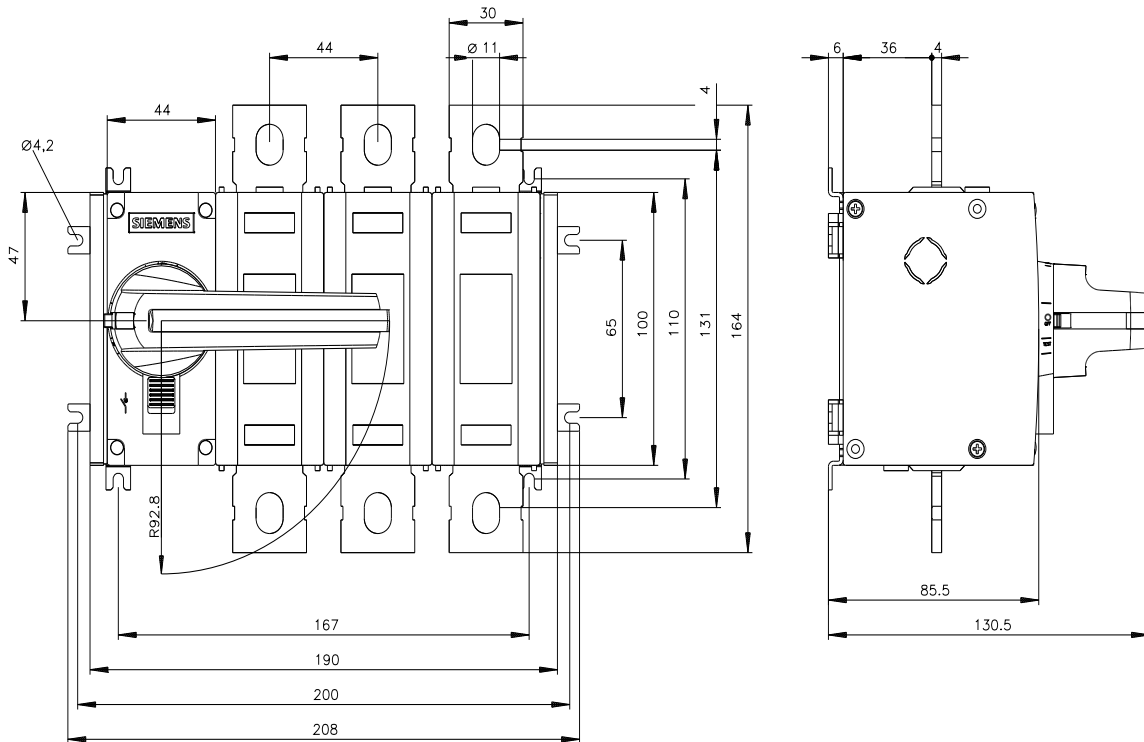
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD4032-0PE10-0

CAX-Online-Generator

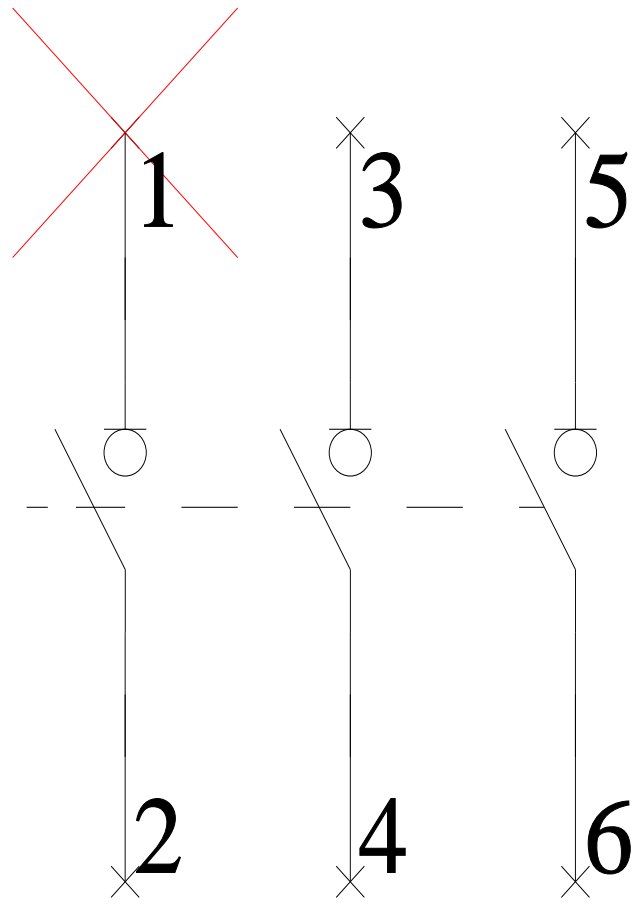
<http://www.siemens.com/cax>

Tender specifications

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



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