

Switch disconnecter 1000 A, Size 5, 6-pole DC Front operating mechanism center
Basic unit without handle flat terminal



Model	
product brand name	SENTRON
product designation	3KD switch disconnecter
design of the product	DC switch
display version for switch position indicator door-coupling rotary operating mechanism	ON-OFF
design of the actuating element	Without handle
type of the driving mechanism	Front operating mechanism
type of the driving mechanism motor drive	No
General technical data	
number of poles	6
type of device	fixed mounting
size of switch disconnecter	5
mechanical service life (operating cycles) typical	8 000
electrical endurance (operating cycles)	
• at DC-21 A at 1000 V	100
I ² t value	
• of the gG/aM SITOR fuse at 1000 V maximum permissible	1 800 000 A ² ·s
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	1200 V / 6
• with degree of pollution 3 at DC rated value	1200 V / 6
insulation voltage	
• with degree of pollution 2 at DC rated value	1 250 V
• with degree of pollution 3 at DC rated value	1 250 V
surge voltage resistance rated value	12 kV
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	20 W
• with conventional rated thermal current per device	120 W
• for rated value of the current at AC in hot operating state per pole	20 W
Main circuit	

operational current rated value	1 000 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	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 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-circuit current making capacity (I _{cm}) for switch disconnecter	
• at DC at 1200 V without fuse link rated value minimum	28.4 kA
Connections	
type of connectable conductor cross-sections for aluminum conductor	
• stranded with lug	1x (120 ... 300 mm²), 2x (95 ... 300 mm²)
type of connectable conductor cross-sections for copper conductor	
• stranded with lug according to DIN 46234	1x (120 ... 240 mm²), 2x (95 ... 240 mm²)
• stranded with lug according to DIN 46235	1x (120 ... 240 mm²), 2x (95 ... 240 mm²)
type of electrical connection for main current circuit	flat connector
Mechanical Design	
height	310 mm
width	652 mm
depth	153 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	29 700 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	70 °C
ambient temperature during storage	
• minimum	-50 °C
• maximum	80 °C
Certificates	
reference code according to IEC 81346-2	Q
Approvals Certificates	
General Product Approval	



[Confirmation](#)



[Miscellaneous](#)



Test Certificates	Marine / Shipping	other	Environment
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[Type Test Certificates/Test Report](#)



[Miscellaneous](#)

[Confirmation](#)

[Environmental Confirmations](#)

Environment

[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3KD5060-0RE20-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KD5060-0RE20-0>

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

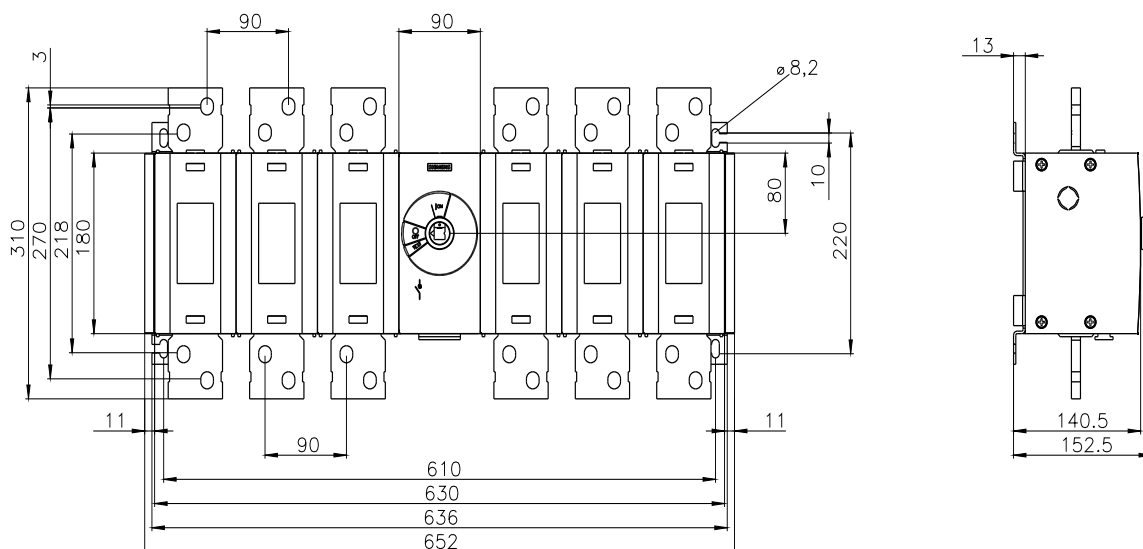
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD5060-0RE20-0

CAX-Online-Generator

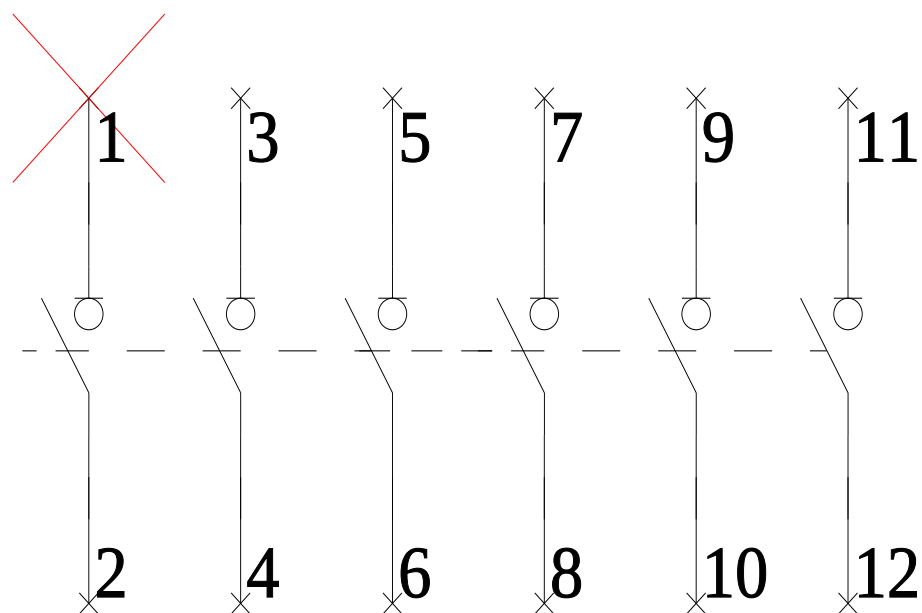
<http://www.siemens.com/cax>

Tender specifications

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



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