

SETRON, Switch disconnecter 3LD, DC switch, 2-pole, Iu: 32 A, operating current / at DC- 21 A at 800 V: 32 A, installation in distribution boards, knob-operated mechanism, black, handle direct at the switch



Model	
product brand name	SETRON
product designation	Switch disconnecter
design of the product	DC switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	DIN-rail mounting
design of the actuating element	selector switch
color of the actuating element	black
design of handle	knob-operated mechanism, black
type of the driving mechanism motor drive	No
General technical data	
number of poles	2
size of switch disconnecter	2
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
operating frequency maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage rated value	800 V
surge voltage resistance rated value	6 kV
operating voltage	
• at DC rated value	800 V
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP40
protection class IP on the front	IP40
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.8 W
Main circuit	
operational current	
• at AC-21 A at 400 V rated value	32 A
Auxiliary circuit	
operating voltage of auxiliary contacts at AC maximum	500 V
continuous current of the auxiliary contact rated value	10 A
insulation voltage of the auxiliary switch rated value	500 V
Suitability	

suitability for use	
• main switch	Yes
• switch disconnecter	Yes
• EMERGENCY OFF switch	No
• safety switch	Yes
• maintenance/repair switch	Yes
<b>Product details</b>	
product feature can be locked into OFF position	Yes
<b>accessories</b>	
product extension optional	
• motor drive	No
• voltage trigger	No
number of connectable NC contacts for auxiliary contacts attachable maximum	2
number of connectable NO contacts for auxiliary contacts attachable maximum	4
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	2
hasp thickness of the bracket locks	4 ... 6 mm
<b>Short circuit</b>	
conditional short-circuit current with line-side fuse protection	
• at 690 V by gG fuse rated value	50 kA
let-through current with closed switch	
• at 240 V for combination switch + gG fuse maximum	4.5 kA
• at 440 V for combination switch + gG fuse maximum	4.5 kA
• at 690 V for combination switch + gG fuse maximum permissible	5 kA
I <sub>2t</sub> value with closed switch	
• at 240 V for combination switch + gG fuse maximum	9 kA <sup>2</sup> .s
• at 440 V for combination switch + gG fuse maximum	9 kA <sup>2</sup> .s
• at 690 V for combination switch + gG fuse maximum	9 kA <sup>2</sup> .s
design of the fuse link	
• for short-circuit protection of the main circuit required	fuse gL/gG: 40 A
• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current of upstream fuse rated value	40 A
<b>according UL</b>	
operational current at AC according to UL 508/UL 60947-4-1 rated value	32 A
operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value	600 V
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	20
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	20
short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	5 kA
continuous current of upstream fuse according to UL rated value	80 A
type of fuse according to UL	RK5
<b>Connections</b>	
AWG number as coded connectable conductor cross section solid	
• maximum	8
• minimum	14
type of connectable conductor cross-sections for copper conductor	
• solid	1x (1,5...16mm <sup>2</sup> )
• finely stranded with core end processing	1x (1,5...10mm <sup>2</sup> )
• stranded	1x (1,5...16mm <sup>2</sup> )
type of connectable conductor cross-sections for auxiliary contacts	
• solid	2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
• finely stranded with core end processing	2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup>
• stranded	2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>

type of electrical connection		
<ul style="list-style-type: none"><li>• for main current circuit</li><li>• for auxiliary contacts</li></ul>	box terminal connection terminals	
Mechanical Design		
height	128 mm	
width	98 mm	
depth	129 mm	
type of device	fixed mounting	
fastening method	Built-in unit fixed-mounted version	
fastening method		
<ul style="list-style-type: none"><li>• 4-hole front mounting</li></ul>	No	
<ul style="list-style-type: none"><li>• front mounting with central attachment</li></ul>	No	
<ul style="list-style-type: none"><li>• rail mounting</li></ul>	Yes	
net weight	419 g	
Environmental conditions		
ambient temperature during operation		
<ul style="list-style-type: none"><li>• minimum</li></ul>	-25 °C	
<ul style="list-style-type: none"><li>• maximum</li></ul>	55 °C	
ambient temperature during storage		
<ul style="list-style-type: none"><li>• minimum</li></ul>	-25 °C	
<ul style="list-style-type: none"><li>• maximum</li></ul>	55 °C	
General Product Approval		Declaration of Conformity



[Confirmation](#)



Test Certificates	other	Environment	
<a href="#">Special Test Certificate</a>	<a href="#">Confirmation</a>	<a href="#">Miscellaneous</a>	<a href="#">Environmental Confirmations</a>

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3LD2230-8VQ11-0AF6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2230-8VQ11-0AF6>

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

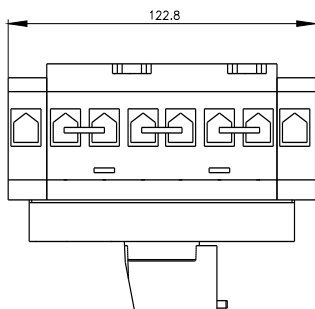
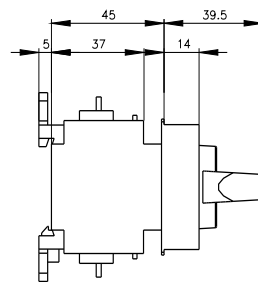
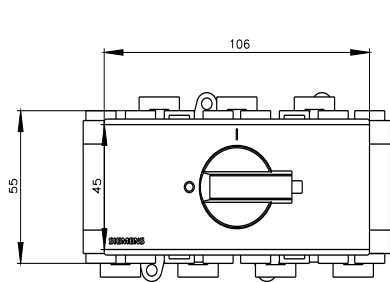
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2230-8VQ11-0AF6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2230-8VQ11-0AF6)

CAX-Online-Generator

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

Tender specifications

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



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