



Load disconnecter 3LD3, Iu 25 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 9.0kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive black 48x48 mm

Model	
product brand name	SETRON
product designation	3LD Switch disconnecter
design of the product	Main switch
display version / for switch position indicator manual operation	1 ON - 0 OFF
type of switch	front mounted
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	4
number of poles / note	4
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching 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	690 V
surge voltage resistance / rated value	6 kV
operating voltage	
• at AC / rated value	690 V
operating frequency / rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP65
degree of protection NEMA rating	1, 3R, 4X, 12
protection class IP / on the front	IP65
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.1 W
Current	
operational current / rated value	25 A
operational current	
• at 40 °C / rated value	25 A
• at 45 °C / rated value	25 A

• at 50 °C / rated value	25 A
• at 55 °C / rated value	25 A
• at AC / rated value	25 A

#### Main circuit

operational current	
• at AC-21 / at 690 V / rated value	25 A
• at AC-21 A / at 240 V / rated value	25 A
• at AC-21 A / at 400 V / rated value	25 A
• at AC-21 A / at 440 V / rated value	25 A
• at AC-23 A / at 400 V / rated value	20 A
operating power	
• at AC-23 A / at 240 V / rated value	4 kW
• at AC-23 A / at 400 V / rated value	10 kW
• at AC-23 A / at 440 V / rated value	9 kW
• at AC-23 A / at 690 V / rated value	9 kW
• at AC-3 / at 240 V / rated value	4 kW
• at AC-3 / at 400 V / rated value	8 kW
• at AC-3 / at 690 V / rated value	7.5 kW

#### Auxiliary circuit

number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	0
number of NO contacts / for auxiliary contacts	0
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

#### Product details

special product feature	Can be locked in zero position
product feature / can be locked into OFF position	Yes

#### accessories

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

#### Short circuit

conditional short-circuit current / with line-side fuse protection	
• at 440 V / by gG fuse / rated value	10 kA
• at 690 V / by gG fuse / rated value	6 kA
let-through current / with closed switch	
• at 240 V / for combination switch + gG fuse / maximum	3.5 kA
• at 440 V / for combination switch + gG fuse / maximum	3.5 kA
• at 690 V / for combination switch + gG fuse / maximum permissible	4 kA
I2t value / with closed switch	
• at 240 V / for combination switch + gG fuse /	4 kA2.s

maximum	
<ul style="list-style-type: none"> <li>at 440 V / for combination switch + gG fuse / maximum</li> </ul>	4 kA2.s
<ul style="list-style-type: none"> <li>at 690 V / for combination switch + gG fuse / maximum</li> </ul>	4 kA2.s
design of the fuse link	
<ul style="list-style-type: none"> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 25 A
<ul style="list-style-type: none"> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
operational current / of upstream fuse / rated value	25 A
<b>according UL</b>	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	25 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	10
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	15
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	50 A
type of fuse / according to UL	RK5
<b>Connections</b>	
AWG number / as coded connectable conductor cross section / solid	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	6
<ul style="list-style-type: none"> <li>minimum</li> </ul>	14
type of connectable conductor cross-sections / for copper conductor	
<ul style="list-style-type: none"> <li>solid</li> </ul>	1x (2.5 to 16 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>finely stranded / with core end processing</li> </ul>	1x (2.5...16 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>stranded</li> </ul>	1x (2.5 to 16 mm <sup>2</sup> )
type of connectable conductor cross-sections / for auxiliary contacts	
<ul style="list-style-type: none"> <li>solid</li> </ul>	2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>finely stranded / with core end processing</li> </ul>	2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>stranded</li> </ul>	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> </ul>	box terminal
<ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>	Box terminals
<b>Mechanical Design</b>	
height	60 mm
width	49 mm
depth	114 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>	Yes
<ul style="list-style-type: none"> <li>rail mounting</li> </ul>	No
net weight	200 g
<b>Environmental conditions</b>	
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
<b>General Product Approval</b>	<b>Declaration of Conformity</b>

[Confirmation](#)



other

[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=3LD3150-0TL11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3150-0TL11>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD3150-0TL11](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3150-0TL11)

CAX-Online-Generator

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

Tender specifications

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



