



SETRON, Switch disconnecter 3LD, change-over switch, 3-pole, Iu: 25 A, Operating power / at AC-23 A at 400 V: 9.5 kW, Front mounting, knob-operated mechanism, black, 4-hole mounting of the handle

Model	
product brand name	SETRON
product designation	3LD Switch disconnecter
design of the product	Selector switch
display version / for switch position indicator manual operation	1 ON - 0 OFF - 2 ON
design of the actuating element	selector switch
design of handle	knob-operated mechanism, black
type of the driving mechanism / motor drive	No
General technical data	
number of poles	3
type of device	fixed mounting
type of switch	front mounted
size of switch disconnecter	2
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	6 000
I <sub>2t</sub> value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	4 kA <sup>2</sup> .s
let-through I <sub>2t</sub> value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	4 kA <sup>2</sup> .s
operating frequency / maximum	50 1/h
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	6 kV
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
• per conductor / typical	1 W
Current	
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

<ul style="list-style-type: none"> <li>• at AC / rated value</li> </ul>	25 A
<ul style="list-style-type: none"> <li>• at AC-23 A / at 400 V / rated value</li> </ul>	20 A
<ul style="list-style-type: none"> <li>• at AC-21 / at 690 V / rated value</li> </ul>	25 A
<ul style="list-style-type: none"> <li>• at AC-21 A / at 240 V / rated value</li> </ul>	25 A
<ul style="list-style-type: none"> <li>• at AC-21 A / at 440 V / rated value</li> </ul>	25 A
operational current / of upstream fuse / rated value	25 A
let-through current / with closed switch	
<ul style="list-style-type: none"> <li>• at 440 V / for combination switch + gG fuse / maximum</li> </ul>	3.5 kA
<ul style="list-style-type: none"> <li>• at 690 V / for combination switch + gG fuse / maximum permissible</li> </ul>	4 kA
<b>Main circuit</b>	
operating power	
<ul style="list-style-type: none"> <li>• at AC-23 A / at 240 V / rated value</li> </ul>	5 kW
<ul style="list-style-type: none"> <li>• at AC-23 A / at 400 V / rated value</li> </ul>	10 kW
<ul style="list-style-type: none"> <li>• at AC-23 A / at 440 V / rated value</li> </ul>	9.5 kW
<ul style="list-style-type: none"> <li>• at AC-23 A / at 690 V / rated value</li> </ul>	10 kW
<ul style="list-style-type: none"> <li>• at AC-3 / at 240 V / rated value</li> </ul>	4 kW
<ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>	8 kW
<ul style="list-style-type: none"> <li>• at AC-3 / at 690 V / rated value</li> </ul>	7.5 kW
operational current / rated value	25 A
<b>Auxiliary circuit</b>	
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
<b>Suitability</b>	
suitability for use	
<ul style="list-style-type: none"> <li>• main switch</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• switch disconnecter</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• EMERGENCY OFF switch</li> </ul>	No
<ul style="list-style-type: none"> <li>• safety switch</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• maintenance/repair switch</li> </ul>	Yes
<b>Appearance</b>	
color / of the actuating element	black
<b>Product details</b>	
product feature	
<ul style="list-style-type: none"> <li>• can be locked into OFF position</li> </ul>	No
product extension / optional	
<ul style="list-style-type: none"> <li>• motor drive</li> </ul>	No
<ul style="list-style-type: none"> <li>• voltage trigger</li> </ul>	No
<b>Short circuit</b>	
conditional short-circuit current / with line-side fuse protection	
<ul style="list-style-type: none"> <li>• at 690 V / by gG fuse / rated value</li> </ul>	50 kA
<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

Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	2
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
<ul style="list-style-type: none"> <li>• maximum</li> <li>• minimum</li> </ul>	<p>8</p> <p>14</p>
type of connectable conductor cross-sections / for copper conductor	
<ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with core end processing</li> <li>• stranded</li> </ul>	<p>1x (1,5...16mm<sup>2</sup>)</p> <p>1x (1,5...10mm<sup>2</sup>)</p> <p>1x (1,5...16mm<sup>2</sup>)</p>
type of connectable conductor cross-sections / for auxiliary contacts	
<ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with core end processing</li> <li>• stranded</li> </ul>	<p>lateral auxiliary switch 2x (0,75 ... 2,5mm<sup>2</sup>), 1x 4mm<sup>2</sup>; front auxiliary switch 1x (0,75 ... 2,5mm<sup>2</sup>)</p> <p>lateral auxiliary switch 2x (0,75 ... 1,5mm<sup>2</sup>), 1x 2,5mm<sup>2</sup>; front auxiliary switch 1x 2,5mm<sup>2</sup></p> <p>lateral auxiliary switch 2x (0,75 ... 2,5mm<sup>2</sup>), 1x 4mm<sup>2</sup>; front auxiliary switch 1x (0,75 ... 2,5mm<sup>2</sup>)</p>
type of electrical connection	
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary contacts</li> </ul>	<p>box terminal</p> <p>connection terminals</p>
Requirements	
design of the fuse link	
<ul style="list-style-type: none"> <li>• for short-circuit protection of the main circuit / required</li> <li>• for short-circuit protection of the auxiliary switch / required</li> </ul>	<p>fuse gL/gG: 25 A</p> <p>fuse gL/gG: 10 A</p>
Mechanical Design	
height	84 mm
width	67 mm
depth	103 mm
fastening method	Built-in unit fixed-mounted version
fastening method	
<ul style="list-style-type: none"> <li>• 4-hole front mounting</li> <li>• front mounting with central attachment</li> <li>• rail mounting</li> </ul>	<p>Yes</p> <p>No</p> <p>Yes</p>
net weight	378 g
Environmental conditions	
ambient temperature / during operation	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>-25 °C</p> <p>55 °C</p>
ambient temperature / during storage / minimum	-25 °C
General Product Approval	



[Confirmation](#)



[Miscellaneous](#)



Declaration of Conformity

Marine / Shipping

other



EG-Konf.



LRS

[Environmental Confirmations](#)

[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=3LD2123-7UK01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2123-7UK01>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2123-7UK01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2123-7UK01)

CAX-Online-Generator

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

Tender specifications

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



