



SETRON, Switch disconnecter 3LD, breaker, 3-pole, Iu: 63 A, Operating power / at AC- 23 A at 400 V: 22 kW, front-mounted, 1 NC, 1 NO, without, Central mounting 22.5 mm of the handle

Model	
product brand name	SETRON
product designation	Switch disconnecter
design of the product	Switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	front mounted
design of handle	without
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnecter	3
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	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	4.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	63 A
• at AC-21 A at 240 V rated value	63 A
• at AC-21 A at 400 V rated value	63 A
• at AC-21 A at 440 V rated value	63 A
• at AC-23 A at 400 V rated value	43 A
operating power	

• at AC-23 A at 240 V rated value	11 kW
• at AC-23 A at 400 V rated value	22 kW
• at AC-23 A at 440 V rated value	22 kW
• at AC-23 A at 690 V rated value	19 kW
• at AC-3 at 240 V rated value	11 kW
• at AC-3 at 400 V rated value	19 kW
• at AC-3 at 690 V rated value	15 kW

#### Auxiliary circuit

number of CO contacts for auxiliary contacts	0
<b>number of NC contacts for auxiliary contacts</b>	1
<b>number of NO contacts for auxiliary contacts</b>	1
<b>operating voltage of auxiliary contacts at AC maximum</b>	500 V
<b>continuous current of the auxiliary contact rated value</b>	10 A
insulation voltage of the auxiliary switch rated value	500 V

#### Suitability

<b>suitability for use main switch</b>	Yes
<b>suitability for use switch disconnecter</b>	Yes
<b>suitability for use EMERGENCY OFF switch</b>	No
<b>suitability for use safety switch</b>	Yes
<b>suitability for use maintenance/repair switch</b>	Yes

#### Product details

product feature can be locked into OFF position	Yes
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#### Accessories

<b>product extension optional</b>	
• motor drive	No
• voltage trigger	No
<b>number of connectable NC contacts for auxiliary contacts attachable maximum</b>	2
<b>number of connectable NO contacts for auxiliary contacts attachable maximum</b>	2
<b>number of connectable CO contacts for auxiliary contacts attachable maximum</b>	0
<b>number of bracket locks maximum</b>	3
<b>hasp thickness of the bracket locks</b>	4 ... 8 mm

#### Short circuit

<b>conditional short-circuit current with line-side fuse protection</b>	
• at 690 V by gG fuse rated value	50 kA
<b>let-through current with closed switch</b>	
• at 240 V for combination switch + gG fuse maximum	6 kA
• at 440 V for combination switch + gG fuse maximum	6 kA
• at 690 V for combination switch + gG fuse maximum permissible	6 kA
<b>I<sup>2</sup>t value with closed switch</b>	
• at 240 V for combination switch + gG fuse maximum	21 kA <sup>2</sup> .s
• at 440 V for combination switch + gG fuse maximum	21 kA <sup>2</sup> .s
• at 690 V for combination switch + gG fuse maximum	21 kA <sup>2</sup> .s
<b>design of the fuse link</b>	
• for short-circuit protection of the main circuit required	fuse gL/gG: 63 A
• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
<b>operational current of upstream fuse rated value</b>	63 A

#### according UL

<b>operational current at AC according to UL 508/UL 60947-4-1 rated value</b>	63 A
<b>operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value</b>	600 V
<b>active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value</b>	40
<b>active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value</b>	50
<b>short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1</b>	5 kA
<b>continuous current of upstream fuse according to UL rated value</b>	175 A

type of fuse according to UL	RK5
<b>Connections</b>	
<b>AWG number as coded connectable conductor cross section solid maximum</b> <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>	6 14
<b>type of connectable conductor cross-sections for copper conductor</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded with core end processing</li> <li>• stranded</li> </ul>	1x (2,5...35mm <sup>2</sup> ) 1x (2,5...16 mm <sup>2</sup> ) 1x (2,5...35mm <sup>2</sup> )
<b>type of connectable conductor cross-sections for auxiliary contacts</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded with core end processing</li> <li>• stranded</li> </ul>	2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> 2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup> 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
<b>Mechanical Design</b>	
height	64 mm
width	71 mm
depth	80 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
<b>fastening method</b> <ul style="list-style-type: none"> <li>• 4-hole front mounting</li> <li>• front mounting with central attachment</li> <li>• rail mounting</li> </ul>	No Yes No
net weight	313 g
<b>Environmental conditions</b>	
<b>ambient temperature during operation</b> <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-25 °C 55 °C
<b>ambient temperature during storage</b> <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-25 °C 55 °C
<b>Approvals Certificates</b>	
<b>General Product Approval</b>	



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#### 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=3LD2555-1TP00-0AE8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2555-1TP00-0AE8>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2555-1TP00-0AE8](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2555-1TP00-0AE8)





