



SETRON, Switch disconnecter 3LD, emergency switching-off switch, 3- pole, Iu: 63 A, operating power / at AC-23 A 400 V: 22 kW, Molded plastic encapsulation for inch cable gland, rotary operating mechanism, red/yellow

Model	
product brand name	SETRON
product designation	Switch disconnecter
design of the product	EMERGENCY-STOP switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	Molded-plastic enclosure for inch threaded joint
design of the actuating element	Short rotary knob
color of the actuating element	red
design of handle	rotary operating mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
number of poles note	N + PE
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, 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

<ul style="list-style-type: none"> <li>at AC-23 A at 400 V rated value</li> </ul>	43 A
operating power	
<ul style="list-style-type: none"> <li>at AC-23 A at 240 V rated value</li> </ul>	11 kW
<ul style="list-style-type: none"> <li>at AC-23 A at 400 V rated value</li> </ul>	22 kW
<ul style="list-style-type: none"> <li>at AC-23 A at 440 V rated value</li> </ul>	22 kW
<ul style="list-style-type: none"> <li>at AC-23 A at 690 V rated value</li> </ul>	19 kW
<ul style="list-style-type: none"> <li>at AC-3 at 240 V rated value</li> </ul>	11 kW
<ul style="list-style-type: none"> <li>at AC-3 at 400 V rated value</li> </ul>	19 kW
<ul style="list-style-type: none"> <li>at AC-3 at 690 V rated value</li> </ul>	15 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	
<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>	Yes
<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

Product details	
product feature can be locked into OFF position	Yes

accessories	
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
number of connectable NC contacts for auxiliary contacts attachable maximum	3
number of connectable NO contacts for auxiliary contacts attachable maximum	5
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	3
hasp thickness of the bracket locks	4 ... 8 mm

Short circuit	
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
let-through current with closed switch	
<ul style="list-style-type: none"> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	6 kA
<ul style="list-style-type: none"> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	6 kA
<ul style="list-style-type: none"> <li>at 690 V for combination switch + gG fuse maximum permissible</li> </ul>	6 kA
I <sup>2</sup> t value with closed switch	
<ul style="list-style-type: none"> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	21 kA <sup>2</sup> .s
<ul style="list-style-type: none"> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	21 kA <sup>2</sup> .s
<ul style="list-style-type: none"> <li>at 690 V for combination switch + gG fuse maximum</li> </ul>	21 kA <sup>2</sup> .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: 63 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	63 A

according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	63 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	40
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	50
short-time withstand current (SCCR) at 600 V according to UL	5 kA

508/UL 60947-4-1					
continuous current of upstream fuse according to UL rated value	175 A				
type of fuse according to UL	RK5				
<b>Connections</b>					
AWG number as coded connectable conductor cross section solid maximum					
•	6				
•	14				
type of connectable conductor cross-sections for copper conductor					
• solid	1x (2,5...35mm <sup>2</sup> )				
• finely stranded with core end processing	1x (2,5...16 mm <sup>2</sup> )				
• stranded	1x (2,5...35mm <sup>2</sup> )				
type of connectable conductor cross-sections for auxiliary contacts					
• solid	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> )				
• finely stranded with core end processing	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>				
• stranded	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> )				
type of electrical connection					
• for main current circuit	box terminal				
• for auxiliary contacts	connection terminals				
<b>Mechanical Design</b>					
height	201 mm				
width	146 mm				
depth	149 mm				
type of device	fixed mounting				
<b>fastening method</b>	Complete unit in enclosure				
<b>fastening method</b>					
• 4-hole front mounting	No				
• front mounting with central attachment	Yes				
• rail mounting	No				
net weight	938 g				
<b>Environmental conditions</b>					
ambient temperature during operation					
• minimum	-25 °C				
• maximum	55 °C				
ambient temperature during storage					
• minimum	-25 °C				
• maximum	55 °C				
<b>Approvals Certificates</b>					
<b>General Product Approval</b>					
				<a href="#">Confirmation</a>	
<b>General Product Approval</b>		<b>Test Certificates</b>	<b>Marine / Shipping</b>	<b>other</b>	
	<a href="#">Miscellaneous</a>		<a href="#">Miscellaneous</a>		<a href="#">Confirmation</a>
<b>other</b>	<b>Environment</b>				
<a href="#">Miscellaneous</a>	<a href="#">Environmental Con- firmations</a>	<a href="#">Environmental Con- firmations</a>			

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=3LD2565-0TB53-0US2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2565-0TB53-0US2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2565-0TB53-0US2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2565-0TB53-0US2)

CAX-Online-Generator

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

Tender specifications

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

