



SETRON, Switch disconnecter 3LD, emergency switching-off switch, 3- pole, Iu: 32 A, operating power / at AC-23 A 400 V: 11.5 kW, front-mounted, knob-operated mechanism, Red / yellow, central mounting 22.5 mm of the handle

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	front mounted
design of the actuating element	selector switch
color of the actuating element	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnecter	2
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles) <ul style="list-style-type: none"><li>• at AC-23 A at 690 V</li></ul>	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 <ul style="list-style-type: none"><li>• at AC rated value</li></ul>	690 V
operating frequency rated value <ul style="list-style-type: none"><li>• minimum</li><li>• maximum</li></ul>	50 Hz 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	1.8 W
Main circuit	
operational current <ul style="list-style-type: none"><li>• at AC-21 at 690 V rated value</li><li>• at AC-21 A at 240 V rated value</li><li>• at AC-21 A at 400 V rated value</li></ul>	32 A 32 A 32 A

<ul style="list-style-type: none"> <li>• at AC-21 A at 440 V rated value</li> <li>• at AC-23 A at 400 V rated value</li> </ul>	32 A 22 A
<b>operating power</b>	
<ul style="list-style-type: none"> <li>• at AC-23 A at 240 V rated value</li> <li>• at AC-23 A at 400 V rated value</li> <li>• at AC-23 A at 440 V rated value</li> <li>• at AC-23 A at 690 V rated value</li> <li>• at AC-3 at 240 V rated value</li> <li>• at AC-3 at 400 V rated value</li> <li>• at AC-3 at 690 V rated value</li> </ul>	6 kW 12 kW 11.5 kW 12 kW 5.5 kW 10 kW 9.5 kW
<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 main switch	Yes
suitability for use switch disconnecter	Yes
suitability for use EMERGENCY OFF switch	Yes
suitability for use safety switch	Yes
suitability for use maintenance/repair switch	Yes
<b>Product details</b>	
product feature can be locked into OFF position	Yes
<b>Accessories</b>	
product extension optional	
<ul style="list-style-type: none"> <li>• motor drive</li> <li>• voltage trigger</li> </ul>	No No
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
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	
<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> <li>• at 440 V for combination switch + gG fuse maximum</li> <li>• at 690 V for combination switch + gG fuse maximum permissible</li> </ul>	4.5 kA 4.5 kA 5 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> <li>• at 440 V for combination switch + gG fuse maximum</li> <li>• at 690 V for combination switch + gG fuse maximum</li> </ul>	9 kA <sup>2</sup> .s 9 kA <sup>2</sup> .s 9 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> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 40 A 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

#### Connections

<b>AWG number as coded connectable conductor cross section solid maximum</b> <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>	8 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 (1,5...16mm <sup>2</sup> ) 1x (1,5...10mm <sup>2</sup> ) 1x (1,5...16mm <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

#### Mechanical Design

height	71 mm
width	49 mm
depth	109.5 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	183 g

#### Environmental conditions

<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

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



[Miscellaneous](#)



Maritime application	other	Environment
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[Confirmation](#)

[Environmental Confirmations](#)

#### Environment

#### Further information

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**Information for data generation and storage**

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<https://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2250-0TK13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2250-0TK13>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2250-0TK13](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2250-0TK13)

**CAX-Online-Generator**

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

**Tender specifications**

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

**Characteristic curves**

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP='HAUPT'></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>)





