



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, rotary operating mechanism, Red / yellow, 4-hole mounting of the handle

Model	
Product brand name	SETRON
Product designation	3LD Switch disconnecter
Design of the product	EMERGENCY-STOP switch
Display version / for switch position indicator manual operation	1 ON - 0 OFF
Design of the operating mechanism	Short rotary knob
Design of handle	rotary operating mechanism, red/yellow
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
Electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	6 000
I _{2t} value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	9 kA ² .s

Let-through I _{2t} value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	9 kA ² .s
Mechanical service life (switching cycles) / typical	100 000
Operating frequency / maximum	50 1/h

Voltage

Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Current / at AC / rated value	32 A
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Active power [hp] / at AC	
• at 480 V / acc. to UL 508 / rated value	20
• at 600 V / acc. to UL 508 / rated value	20

Protection class

Protection class IP	IP65
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
• per conductor / typical	1.8 W

Current

Operating current	
• at AC-23 A / at 690 V / rated value	13 A
• at AC-23 A / at 400 V / rated value	22 A
• at AC-22 A / at 690 V / rated value	32 A
• at AC-21 / at 690 V / rated value	32 A
• at AC-21 A / at 240 V / rated value	32 A
• at AC-21 A / at 440 V / rated value	32 A
• at AC-22 A / at 240 V / rated value	32 A
• at AC-22 A / at 440 V / rated value	32 A
• at AC-23 A / at 240 V / rated value	22 A
• at AC-23 A / at 440 V / rated value	22 A
• at AC / acc. to UL 508 / rated value	32 A
Operating current / of upstream fuse / rated value	40 A
Continuous current / of upstream fuse / according to UL / rated value	80 A
Let-through current / with closed switch	
• at 440 V / for combination switch + gG fuse / maximum	4.5 kA

• at 690 V / for combination switch + gG fuse / maximum permissible	4.5 kA
Short-time withstand current (I _{cw})	
• limited to 1 s / rated value	640 A
• at 690 V / limited to 1 s / rated value	640 A

Main circuit

Operating frequency	
• initial value	50 Hz
• Full-scale value	60 Hz
Operating power	
• at AC-23 A / at 240 V / rated value	6 kW
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	11.5 kW
• at AC-23 A / at 400 V / rated value	11.5 kW
• at AC-23 A / at 440 V / rated value	11.5 kW
• at AC-23 A / at 690 V / rated value	11.5 kW
• at AC-3 / at 240 V / rated value	5.5 kW
• at AC-3 / at 400 V / rated value	9.5 kW
• at AC-3 / at 690 V / rated value	9.5 kW
Operating current / rated value	32 A

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	Yes
• safety switch	Yes
• maintenance/repair switch	Yes

Appearance

Color / of the actuating element	red
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Product details

• Product function / can be locked into OFF position	Yes
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Number of bracket locks / maximum	3
Hasp thickness / of the bracket locks / minimum	4 mm
Hasp thickness / of the bracket locks / maximum	8 mm

Short circuit

Short-time withstand current (SCCR) / at 600 V / acc. to UL 508	5 kA
Conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value	50 kA
Number of connectable NC contacts / for auxiliary contacts / attachable / maximum	3
Number of connectable NO contacts / for auxiliary contacts / attachable / maximum	3
Number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0

Connections

AWG number / as coded connectable conductor cross section / solid - maximum - minimum	8 14
Type of electrical connection - for main current circuit - for auxiliary contacts	box terminal connection terminals

Requirements

Design of the fuse link - for short-circuit protection of the main circuit / required - for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 40 A fuse gL/gG: 10 A
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Mechanical Design

Height	83 mm
Width	67 mm
Depth	92.5 mm
Mounting type	Built-in unit fixed-mounted version
Mounting type - front mounting with 4-hole attachment - front mounting with central attachment - rail mounting	Yes No No
Net weight	205 g

Environmental conditions

Ambient temperature / during operation minimum	-25 °C
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- maximum

55 °C

Ambient temperature / during storage / minimum

-25 °C

Certificates

Reference code

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

S

SF

General Product Approval

Test Certificates



CCC



CSA



UL



VDE

[Miscellaneous](#)

[Special Test Certificate](#)

Shipping Approval

other



LRS



PRS

[Environmental Confirmations](#)

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=3LD2203-0TK53>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2203-0TK53>

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

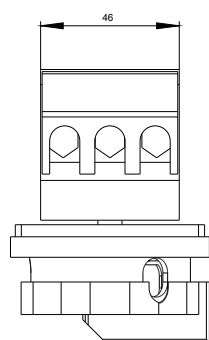
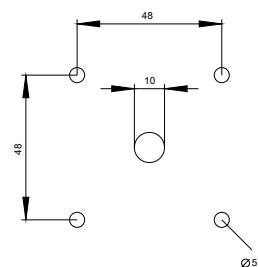
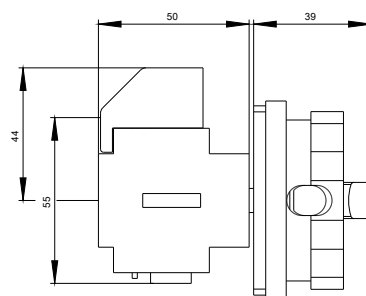
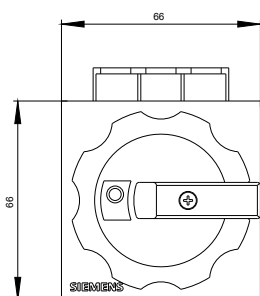
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2203-0TK53

CAX-Online-Generator

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

Tender specifications

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



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