

Load disconnecter 3LD3, Iu 63 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 22.0 kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Rotating drive black 66 x 66 mm



Model	
Product brand name	SENTRON
Product designation	3LD Switch disconnecter
Design of the product	Main 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, black
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	4
Number of poles / Note	4
Type of device	fixed mounting
Type of switch	Floor mounting with door coupling
Electrical endurance (switching cycles) / at AC-23 A / at 690 V / at 50/60 Hz	6 000
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	63 A
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V

<b>Protection class</b>	
Protection class IP	IP65
Protection class IP / on the front	IP65

<b>Dissipation</b>	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	4.5 W

<b>Current</b>	
Continuous current / rated value	63 A
Continuous current / of upstream fuse / rated value	63 A
Short-time current resistance (I <sub>cw</sub> ) / at 690 V / limited to 1 s / rated value	1 000 A

<b>Main circuit</b>	
Operating frequency	
• initial value	50 Hz
• Full-scale value	60 Hz
Operating power	
• at AC-23 A / at 400 V / rated value	22 kW
• at AC-23 A / at 690 V / rated value	18.5 kW
• at AC-3 / at 400 V / rated value	18.5 kW
• at AC-3 / at 690 V / rated value	15 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>	
<b>Suitability for use</b>	
• Main switch	Yes
• switch disconnecter	Yes
• EMERGENCY OFF switch	No
• safety switch	Yes

- maintenance/repair switch

Yes

## Product details

Product feature / interlock	Yes
Number of bracket locks / maximum	2
Hasp thickness / of the bracket locks / minimum	4 mm
Hasp thickness / of the bracket locks / maximum	6 mm
Product extension / optional	
• motor drive	No
• Voltage trigger	No

## Short circuit

Conditional short-circuit current / with line-side fuse protection	
• at 690 V / by gG fuse / rated value	6 kA
Number of NC contacts	0
Number of NO contacts	0

## Connections

<b>Type of connectable conductor cross-sections</b>	
• for copper conductor / solid	1x (2.5 to 16 mm <sup>2</sup> )
• for copper conductor / stranded	1x (2.5 to 16 mm <sup>2</sup> )
• for auxiliary contacts / solid	2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
• for auxiliary contacts / finely stranded / with core end processing	2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup>
• for auxiliary contacts / stranded	2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
<b>Type of electrical connection</b>	
• for main current circuit	box terminal
• for auxiliary contacts	Box terminals

## Requirements

Design of the fuse link	
• 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

## Mechanical Design

Height	60 mm
Width	49 mm
Depth	380 mm
Mounting type	Built-in unit fixed-mounted version
Mounting type	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	Yes
• rail mounting	Yes

Net weight	300 g
• during operation	-25 ... +55 °C

## Certificates

Reference code	
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	SF

General Product Approval	Declaration of Conformity
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## 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=3LD3448-0TL51>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3448-0TL51>

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

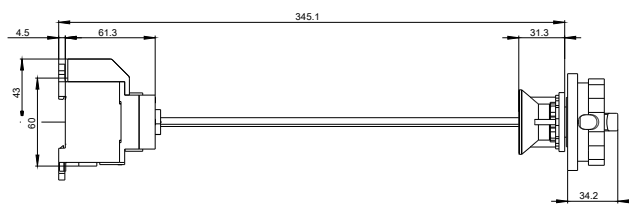
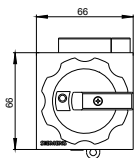
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD3448-0TL51](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3448-0TL51)

### CAX-Online-Generator

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

### Tender specifications

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



Tueri/ Door/ Porte  
Puerta/ Porta/ Porta



Boden/ Base/ Plancher/  
Base/ Pavimento/ Fundo

