

Switch disconnecter 3LD3, main switch 3-polig + N, lu 63A  
operational switch at AC-23 A at 400 V 22,0 kW floor mounting Base  
mounting with door coupling center-hole 22,5 mm rotary operating  
mechanism red/yellow 66 x66 mm with auxiliary 1NO+1NC

Model	
Product brand name	SENTRON
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	4
Type of device	fixed mounting
Type of switch	Floor mounting with door coupling
Operating frequency / maximum	50 1/h

Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV

Protection class	
Protection class IP	IP65
Protection class IP / on the front	IP65

Dissipation	
Power loss [W]	4.5 W
<ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	

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

Main circuit	
Operating frequency	50 Hz
<ul style="list-style-type: none"> <li>initial value</li> </ul>	

<ul style="list-style-type: none"> <li>• Full-scale value</li> </ul>	60 Hz
<b>Operating power</b>	
<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 690 V / rated value</li> </ul>	18.5 kW
<ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>	18.5 kW
<ul style="list-style-type: none"> <li>• at AC-3 / at 690 V / rated value</li> </ul>	15 kW
<b>Operating voltage</b>	
<ul style="list-style-type: none"> <li>• at AC / at 50/60 Hz / rated value</li> </ul>	690 V

### Auxiliary circuit

<b>Operating voltage / of auxiliary contacts / at AC / maximum</b>	500 V
<b>Continuous current / of the auxiliary contact / rated value</b>	10 A
<b>Insulation voltage / of the auxiliary switch / rated value</b>	500 V

### Suitability

<b>Suitability for use</b>	
<ul style="list-style-type: none"> <li>• Main switch</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• switch disconnector</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

<b>Product feature / interlock</b>	Yes
<b>Product extension / optional</b>	
<ul style="list-style-type: none"> <li>• motor drive</li> </ul>	No
<ul style="list-style-type: none"> <li>• Voltage trigger</li> </ul>	No
<b>Short-time current resistance (I<sub>cw</sub>) / limited to 1 s / rated value</b>	1 000 kA
<b>Number of NC contacts</b>	1
<b>Number of NO contacts</b>	1

### Connections

<b>Type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>	Box terminal

### Requirements

<b>Design of the fuse link</b>	
<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

### Mechanical Design

<b>Height</b>	60 mm
<b>Width</b>	60 mm
<b>Depth</b>	380 mm
<b>Mounting type</b>	Built-in unit fixed-mounted version
<b>Mounting type</b>	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	Yes
• rail mounting	Yes
<b>Net weight</b>	300 g

#### Environmental conditions

##### Ambient temperature

- |                              |        |
|------------------------------|--------|
| • during operation / minimum | -25 °C |
| • during operation / maximum | 55 °C  |

#### Certificates

##### Equipment marking

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

#### Declaration of Conformity



EG-Konf.

#### 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?mfb=3LD3448-1TL53>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3448-1TL53>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3LD3448-1TL53](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3LD3448-1TL53)

##### CAX-Online-Generator

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

##### Tender specifications

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