

SETRON, 3LD switch disconnecter, main switch, 3- pole, Iu:125 A, Operational power / at AC-23 A at 400 V: 45 kW, floor mounting with door coupling, rotary operating mechanism, black, 4- hole mounting of the handle



Model	
product brandname	SETRON
Product designation	3LD switch disconnecter
Design of the product	Main switch
Design of the operating mechanism	Short rotary knob
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	3
Type of device	fixed mounting
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	

<b>Power loss [W]</b>	
<ul style="list-style-type: none"> <li>• for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	12 W

### Electricity

Continuous current / rated value	125 A
Short-time current resistance (I <sub>cw</sub> ) / at 690 V / limited to 1 s / rated value	2 000 A

### Main circuit

<b>Operating frequency</b>	
<ul style="list-style-type: none"> <li>• initial value</li> </ul>	50 Hz
<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>	45 kW
<ul style="list-style-type: none"> <li>• at AC-23 A / at 690 V / rated value</li> </ul>	37 kW
<ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>	37 kW
<ul style="list-style-type: none"> <li>• at AC-3 / at 690 V / rated value</li> </ul>	30 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 disconnecter</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• EMERGENCY OFF switch</li> </ul>	No
<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 / interlock	Yes
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

### Connections

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

## Requirements

### 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: 125 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>	106 mm
<b>Width</b>	90 mm
<b>Depth</b>	470.5 mm
<b>Mounting type</b>	Built-in unit fixed-mounted version
<b>Mounting type</b>	
<ul style="list-style-type: none"> <li>• front mounting with 4-hole attachment</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• front mounting with central attachment</li> </ul>	No
<ul style="list-style-type: none"> <li>• rail mounting</li> </ul>	Yes
<b>Net weight</b>	755 g

## Environmental conditions

<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation / minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul>	55 °C

## Certificates

<b>Equipment marking</b>	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	S
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>	SF

### General Product Approval

### Declaration of Conformity



[sonstig](#)



Test Certificates	Shipping Approval	other
<a href="#">spezielle Prüfbescheinigungen</a>	<p>LRS</p>	<a href="#">Umweltbestätigung</a>

## 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=3LD2814-0TK51>

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

<http://support.automation.siemens.com/WW/view/en/3LD2814-0TK51/all>

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

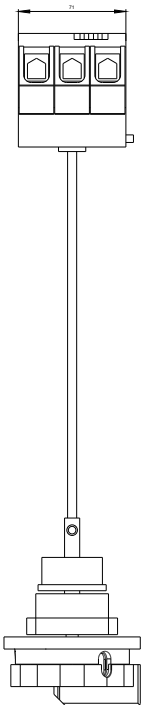
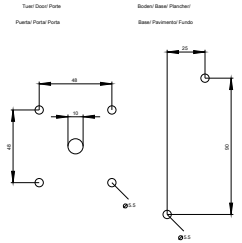
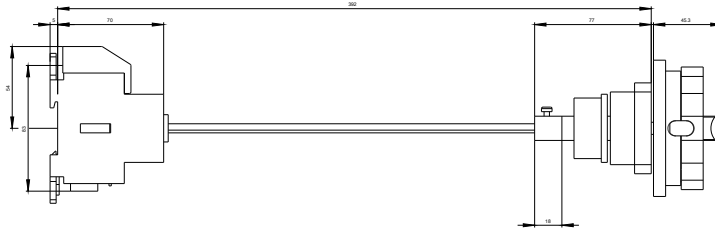
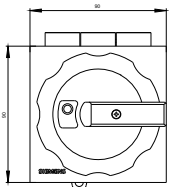
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2814-0TK51](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2814-0TK51)

**CAX-Online-Generator**

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

**Tender specifications**

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



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