

Switch disconnecter 3LD3, main switch 3-polig + N, lu 16A  
operational switch at AC-23 A at 400 V 7,5 kW front mounted Base  
mounting with center-hole 22,5 mm rotary operationg mechanism  
black 66 x66 mm



| Model  |                                   |
|--|-----------------------------------|
| Product brand name   | SETRON                            |
| 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                                 |
| Type of device   | fixed mounting                    |
| Type of switch   | front mounted                     |
| Operating frequency / maximum                                    | 50 1/h                            |
| Voltage  |                                   |
| Insulation voltage / rated value                                 | 690 V                             |
| Surge voltage resistance / rated value                           | 6 kV                              |
| Protection class   |                                   |

|  |        |
|--|--------|
| <b>Protection class IP</b>   | IP65   |
| Protection class IP / on the front   | IP65   |
| <b>Dissipation</b>   |        |
| <b>Power loss [W]</b>  | 0.5 W  |
| <ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul> |        |
| <b>Electricity</b>   |        |
| Current / at AC / rated value  | 16 A   |
| Continuous current / rated value   | 16 A   |
| Short-time current resistance (I <sub>cw</sub> ) / at 690 V / limited to 1 s / rated value                                   | 500 A  |
| <b>Main circuit</b>  |        |
| <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>  | 7.5 kW |
| <ul style="list-style-type: none"> <li>at AC-23 A / at 690 V / rated value</li> </ul>  | 7.5 kW |
| <ul style="list-style-type: none"> <li>at AC-3 / at 400 V / rated value</li> </ul>   | 5.5 kW |
| <ul style="list-style-type: none"> <li>at AC-3 / at 690 V / rated value</li> </ul>   | 5.5 kW |
| <b>Operating voltage</b>   |        |
| <ul style="list-style-type: none"> <li>at AC / at 50/60 Hz / rated value</li> </ul>  | 690 V  |
| <b>Auxiliary circuit</b>   |        |
| <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  |
| <b>Suitability</b>   |        |
| <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>   | 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    |
| <b>Product details</b>   |        |
| 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     |

|   |        |
|---|--------|
| Short-time current resistance (I <sub>cw</sub> ) / limited to 1 s / rated value | 500 kA |
| Number of NC contacts   | 0      |
| Number of NO contacts   | 0      |

### Connections

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

### 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: 20 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>   | 49 mm                               |
| <b>Depth</b>   | 114 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>  | No                                  |
| <ul style="list-style-type: none"> <li>front mounting with central attachment</li> </ul> | Yes                                 |
| <ul style="list-style-type: none"> <li>rail mounting</li> </ul>                          | No                                  |
| <b>Net weight</b>  | 200 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 |

### Declaration of Conformity



### 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=3LD3054-0TL51>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3054-0TL51>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD3054-0TL51](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3054-0TL51)

**CAX-Online-Generator**

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

**Tender specifications**

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



