

Switch disconnecter 3LD3, main switch 3-polig + N, lu 40A  
operational switch at AC-23 A at 400 V 15,0 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 |
| 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    |
| <b>Dissipation</b>   |         |
| <b>Power loss [W]</b>  | 2.5 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  | 40 A    |
| Continuous current / rated value   | 40 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>  |         |
| <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>  | 18.5 kW |
| <ul style="list-style-type: none"> <li>• at AC-23 A / at 690 V / rated value</li> </ul>  | 15 kW   |
| <ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>   | 11.5 kW |
| <ul style="list-style-type: none"> <li>• at AC-3 / at 690 V / rated value</li> </ul>   | 11.5 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 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     |
| <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 | 1 000 kA |
| Number of NC contacts   | 1        |
| Number of NO contacts   | 1        |

### 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: 40 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>   |                                     |
| <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>                          | Yes                                 |
| <b>Net weight</b>  | 300 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=3LD3348-1TL53>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3348-1TL53>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD3348-1TL53](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3348-1TL53)

**CAX-Online-Generator**

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

**Tender specifications**

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



