



Switch disconnecter 3LD3, main switch 3-polig, lu 16A operational switch at AC-23 A at 400 V 7,5 kW front mounted Base mounting with center-hole 22,5 mm knob-operated mechanism red/yellow 48 x 48 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                                | selector switch                     |
| Design of handle                                                 | knob-operated mechanism, red/yellow |
| Type of the driving mechanism / motor drive                      | No                                  |
| General technical data                                           |                                     |
| Number of poles                                                  | 3                                   |
| 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>                                                                                                        |        |
| <ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul> | 0.5 W  |
| <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                                                           | 1      |
| Number of NO contacts                                                           | 1      |

#### Connections

##### Type of electrical connection

- for main current circuit

Box terminal

#### Requirements

##### Design of the fuse link

- for short-circuit protection of the main circuit / required
- for short-circuit protection of the auxiliary switch / required

fuse gL/gG: 20 A

fuse gL/gG: 10 A

#### Mechanical Design

##### Height

60 mm

##### Width

47 mm

##### Depth

114 mm

##### Mounting type

Built-in unit fixed-mounted version

##### Mounting type

- front mounting with 4-hole attachment
- front mounting with central attachment
- rail mounting

No

Yes

No

##### Net weight

200 g

#### Environmental conditions

##### Ambient temperature

- during operation / minimum
- during operation / maximum

-25 °C

55 °C

#### Certificates

##### Equipment marking

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

S

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=3LD3050-1TK13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3050-1TK13>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD3050-1TK13](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3050-1TK13)

**CAX-Online-Generator**

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

**Tender specifications**

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



