



SETRON, 3LD switch disconnecter, EMERGENCY-STOP switch, 3-pole, Iu:25 A, Operational power / at AC-23 A at 400 V: 9,5 kW, molded- plastic enclosure for metric threaded joint, rotary operating mechanism, red/yellow

| Model                                                            |                                                    |
|------------------------------------------------------------------|----------------------------------------------------|
| Product brand name                                               | SETRON                                             |
| 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                                                  | 3                                                  |
| Number of poles / Note                                           | N + PE                                             |
| Type of device                                                   | fixed mounting                                     |
| Type of switch                                                   | Molded-plastic enclosure for metric threaded joint |
| Size of switch disconnecter                                      | 2                                                  |
| Operating frequency / maximum                                    | 50 1/h                                             |
| Voltage                                                          |                                                    |
| Insulation voltage / rated value                                 | 690 V                                              |

|                                                                                                                              |        |
|------------------------------------------------------------------------------------------------------------------------------|--------|
| Surge voltage resistance / rated value                                                                                       | 6 kV   |
| <b>Protection class</b>                                                                                                      |        |
| <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> | 1.1 W  |
| <b>Electricity</b>                                                                                                           |        |
| Current / at AC / rated value                                                                                                | 25 A   |
| Continuous current / rated value                                                                                             | 25 A   |
| Short-time current resistance (I <sub>cw</sub> ) / at 690 V / limited to 1 s / rated value                                   | 640 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>                                        | 9.5 kW |
| <ul style="list-style-type: none"> <li>at AC-23 A / at 690 V / rated value</li> </ul>                                        | 9.5 kW |
| <ul style="list-style-type: none"> <li>at AC-3 / at 400 V / rated value</li> </ul>                                           | 7.5 kW |
| <ul style="list-style-type: none"> <li>at AC-3 / at 690 V / rated value</li> </ul>                                           | 7.5 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                                                         |        |
| • motor drive                                                                        | No     |
| • Voltage trigger                                                                    | No     |
| <b>Short-time current resistance (I<sub>cw</sub>) / limited to 1 s / rated value</b> | 640 kA |

## Connections

|                                      |                      |
|--------------------------------------|----------------------|
| <b>Type of electrical connection</b> |                      |
| • for main current circuit           | Box terminal         |
| • for auxiliary contacts             | connection terminals |

## Requirements

|                                                                   |                  |
|-------------------------------------------------------------------|------------------|
| <b>Design of the fuse link</b>                                    |                  |
| • for short-circuit protection of the main circuit / required     | fuse gL/gG: 25 A |
| • for short-circuit protection of the auxiliary switch / required | fuse gL/gG: 10 A |

## Mechanical Design

|                                          |                            |
|------------------------------------------|----------------------------|
| <b>Height</b>                            | 152 mm                     |
| <b>Width</b>                             | 100 mm                     |
| <b>Depth</b>                             | 117 mm                     |
| <b>Mounting type</b>                     | Complete unit in enclosure |
| <b>Mounting type</b>                     |                            |
| • front mounting with 4-hole attachment  | No                         |
| • front mounting with central attachment | Yes                        |
| • rail mounting                          | No                         |
| <b>Net weight</b>                        | 446 g                      |

## Environmental conditions

|                              |        |
|------------------------------|--------|
| <b>Ambient temperature</b>   |        |
| • during operation / minimum | -25 °C |
| • during operation / maximum | 55 °C  |

## Certificates

|                          |    |
|--------------------------|----|
| <b>Equipment marking</b> |    |
| • acc. to DIN EN 61346-2 | S  |
| • acc. to DIN EN 81346-2 | SF |

| General Product Approval | Declaration of Conformity |
|--------------------------|---------------------------|
|--------------------------|---------------------------|



CCC



CSA



UL



VDE

[Miscellaneous](#)



EG-Konf.

| Test Certificates | Shipping Approval | other |
|-------------------|-------------------|-------|
|-------------------|-------------------|-------|

[Miscellaneous](#)



LRS

[Environmental Confirmations](#)

## 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=3LD2164-0TB53>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2164-0TB53>

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

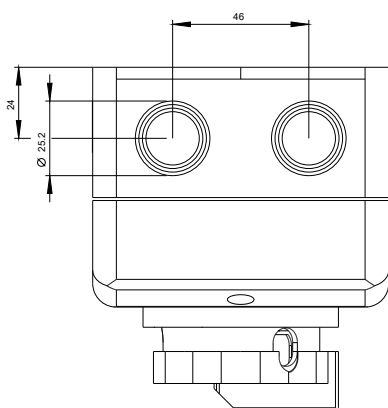
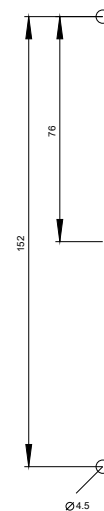
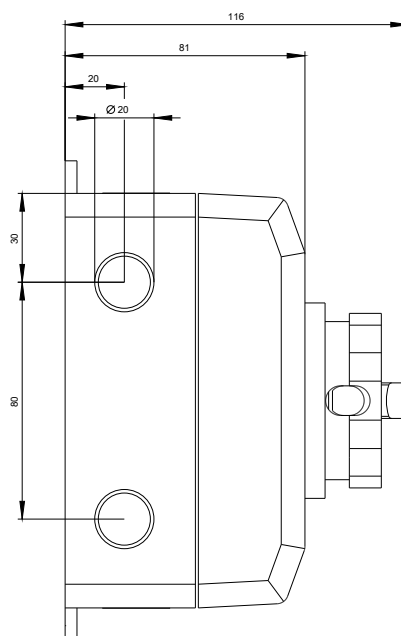
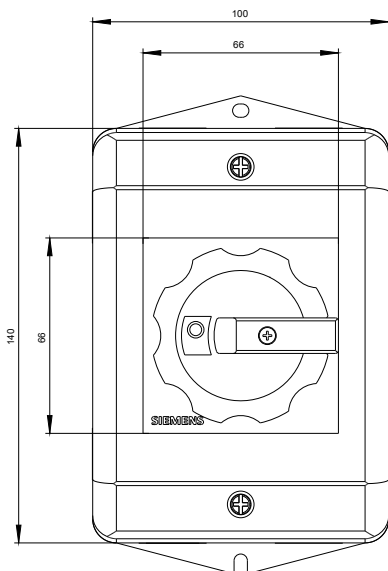
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2164-0TB53](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2164-0TB53)

### CAX-Online-Generator

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

### Tender specifications

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



**-Q1**

