

SETRON, 3LD switch disconnecter, main switch, 3- pole, Iu:63 A, Operational power / at AC-23 A at 400 V: 22 kW, molded-plastic enclosure for metric threaded joint, rotary operating mechanism, black



| 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                                                  | 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                                      | 3                                                  |
| 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>                                                                      |         |
| • for rated value of the current / at AC / in hot operating state / per pole               | 4.5 W   |
| <b>Electricity</b>                                                                         |         |
| Current / at AC / rated value                                                              | 63 A    |
| Continuous current / rated value                                                           | 63 A    |
| Short-time current resistance (I <sub>cw</sub> ) / at 690 V / limited to 1 s / rated value | 1 260 A |
| <b>Main circuit</b>                                                                        |         |
| <b>Operating frequency</b>                                                                 |         |
| • initial value                                                                            | 50 Hz   |
| • Full-scale value                                                                         | 60 Hz   |
| <b>Operating power</b>                                                                     |         |
| • at AC-23 A / at 400 V / rated value                                                      | 22 kW   |
| • at AC-23 A / at 690 V / rated value                                                      | 18.5 kW |
| • at AC-3 / at 400 V / rated value                                                         | 18.5 kW |
| • at AC-3 / at 690 V / rated value                                                         | 15 kW   |
| <b>Operating voltage</b>                                                                   |         |
| • at AC / at 50/60 Hz / rated value                                                        | 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>                                                                 |         |
| • Main switch                                                                              | Yes     |
| • switch disconnecter                                                                      | Yes     |
| • EMERGENCY OFF switch                                                                     | No      |
| • safety switch                                                                            | Yes     |
| • maintenance/repair switch                                                                | 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> | 1 260 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: 63 A |
| • for short-circuit protection of the auxiliary switch / required | fuse gL/gG: 10 A |

## Mechanical Design

|                                          |                            |
|------------------------------------------|----------------------------|
| <b>Height</b>                            | 199 mm                     |
| <b>Width</b>                             | 146 mm                     |
| <b>Depth</b>                             | 149 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>                        | 905 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 |
|-------------------|-------------------|-------|
|-------------------|-------------------|-------|

[Special Test Certificate](#)



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=3LD2565-0TB51>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2565-0TB51>

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

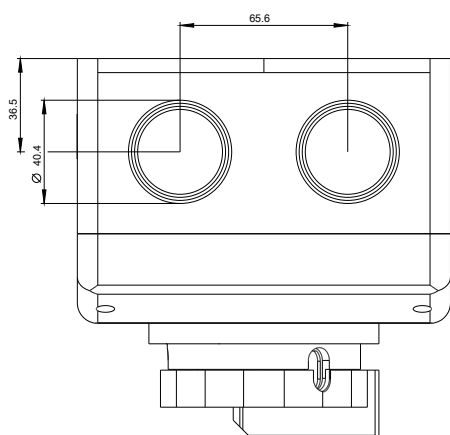
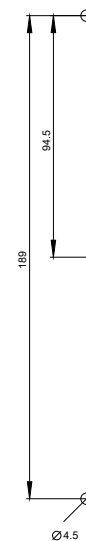
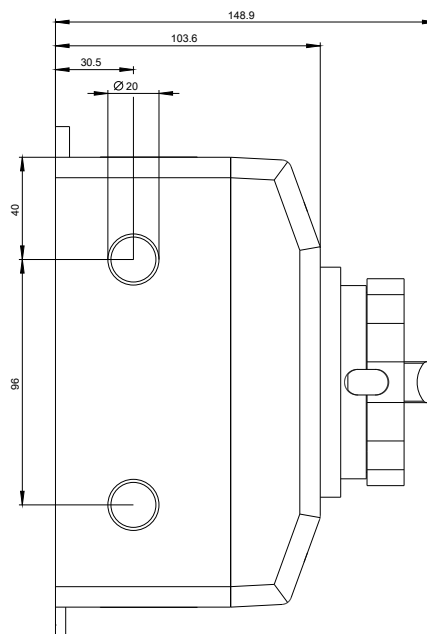
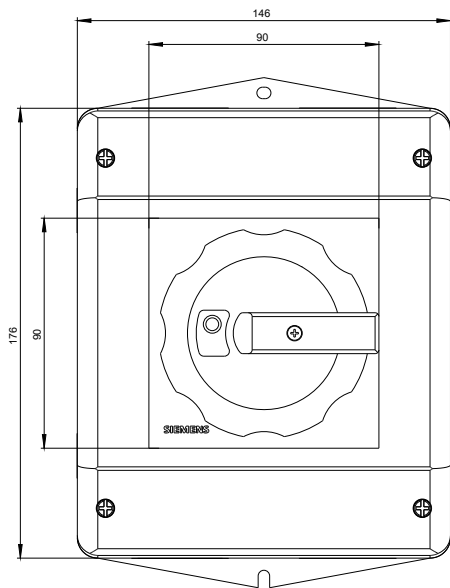
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2565-0TB51](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2565-0TB51)

**CAX-Online-Generator**

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

**Tender specifications**

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



**-Q1**

