

SETRON, Switch disconnecter 3LD, main switch, 6-pole, Iu: 25 A, Operating power / at AC-23 A at 400 V: 9.5 kW, molded-plastic encapsulation for metric screw connection, 1 NC, 1 NO, 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               | 6                                                  |
| Number of poles / Note        | N                                                  |
| 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>                                                                     |        |
| Protection class IP                                                                         | IP65   |
| Protection class IP / on the front                                                          | IP65   |
| <b>Dissipation</b>                                                                          |        |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 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>                                                                         |        |
| Operating frequency                                                                         |        |
| • initial value                                                                             | 50 Hz  |
| • Full-scale value                                                                          | 60 Hz  |
| Operating power                                                                             |        |
| • at AC-23 A / at 400 V / rated value                                                       | 9.5 kW |
| • at AC-23 A / at 690 V / rated value                                                       | 9.5 kW |
| • at AC-3 / at 400 V / rated value                                                          | 7.5 kW |
| • at AC-3 / at 690 V / rated value                                                          | 7.5 kW |
| Operating voltage                                                                           |        |
| • at AC / at 50/60 Hz / rated value                                                         | 690 V  |
| <b>Auxiliary circuit</b>                                                                    |        |
| Number of CO contacts / for auxiliary contacts                                              | 0      |
| Number of NC contacts / for auxiliary contacts                                              | 1      |
| Number of NO contacts / for auxiliary contacts                                              | 1      |
| Operating voltage / of auxiliary contacts / at AC / maximum                                 | 500 V  |
| Continuous current / of the auxiliary contact / rated value                                 | 10 A   |
| Insulation voltage / of the auxiliary switch / rated value                                  | 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    |

| Product details                                                       |                                                            |
|-----------------------------------------------------------------------|------------------------------------------------------------|
| Product feature / interlock                                           | Yes                                                        |
| Product extension / optional                                          |                                                            |
| • motor drive                                                         | No                                                         |
| • Voltage trigger                                                     | No                                                         |
| Connections                                                           |                                                            |
| <b>Type of connectable conductor cross-sections</b>                   |                                                            |
| • for copper conductor / solid                                        | 1x (1,516mm <sup>2</sup> )                                 |
| • for copper conductor / finely stranded / with core end processing   | 1x (1,510mm <sup>2</sup> )                                 |
| • for copper conductor / stranded                                     | 1x (1,516mm <sup>2</sup> )                                 |
| • for auxiliary contacts / solid                                      | 2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>   |
| • for auxiliary contacts / finely stranded / with core end processing | 2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup> |
| • for auxiliary contacts / stranded                                   | 2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>   |
| <b>Type of electrical connection</b>                                  |                                                            |
| • for main current circuit                                            | Box terminal                                               |
| • for auxiliary contacts                                              | connection terminals                                       |
| Requirements                                                          |                                                            |
| Design of the fuse link                                               |                                                            |
| • 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                                                     |                                                            |
| Height                                                                | 201 mm                                                     |
| Width                                                                 | 146 mm                                                     |
| Depth                                                                 | 149 mm                                                     |
| Mounting type                                                         | Complete unit in enclosure                                 |
| Mounting type                                                         |                                                            |
| • front mounting with 4-hole attachment                               | No                                                         |
| • front mounting with central attachment                              | Yes                                                        |
| • rail mounting                                                       | No                                                         |
| Net weight                                                            | 894 g                                                      |
| Environmental conditions                                              |                                                            |
| Ambient temperature                                                   |                                                            |
| • during operation / minimum                                          | -25 °C                                                     |
| • during operation / maximum                                          | 55 °C                                                      |
| Certificates                                                          |                                                            |
| Reference code                                                        |                                                            |
| • acc. to DIN EN 61346-2                                              | S                                                          |

| General Product Approval | Declaration of Con-<br>formity | other |
|--------------------------|--------------------------------|-------|
|--------------------------|--------------------------------|-------|



CSA



UL



EG-Konf.

[Environmental Confirma-  
tions](#)

## 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=3LD2165-5VD51-0AE2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2165-5VD51-0AE2>

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

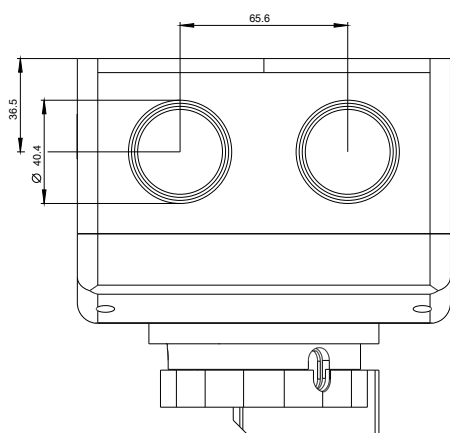
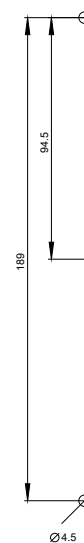
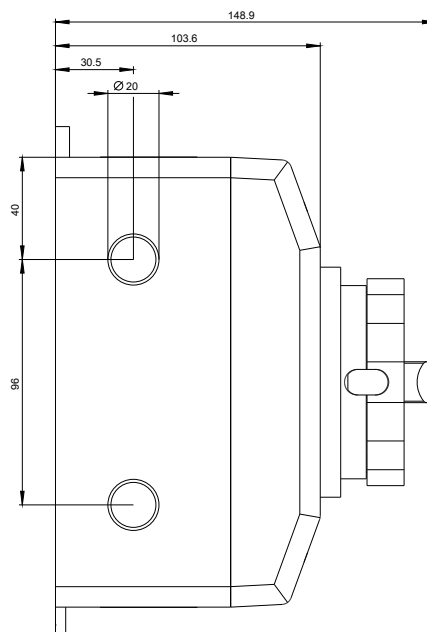
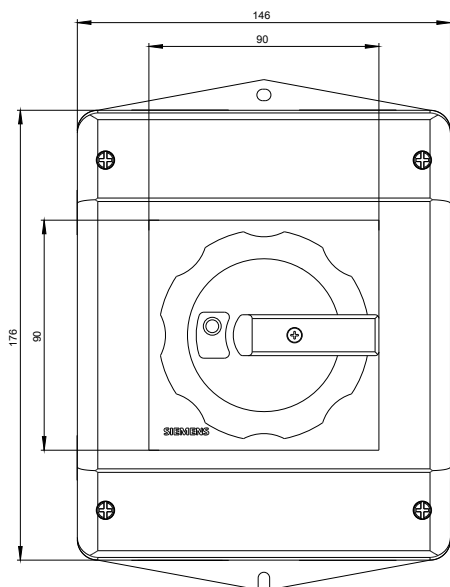
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2165-5VD51-0AE2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2165-5VD51-0AE2)

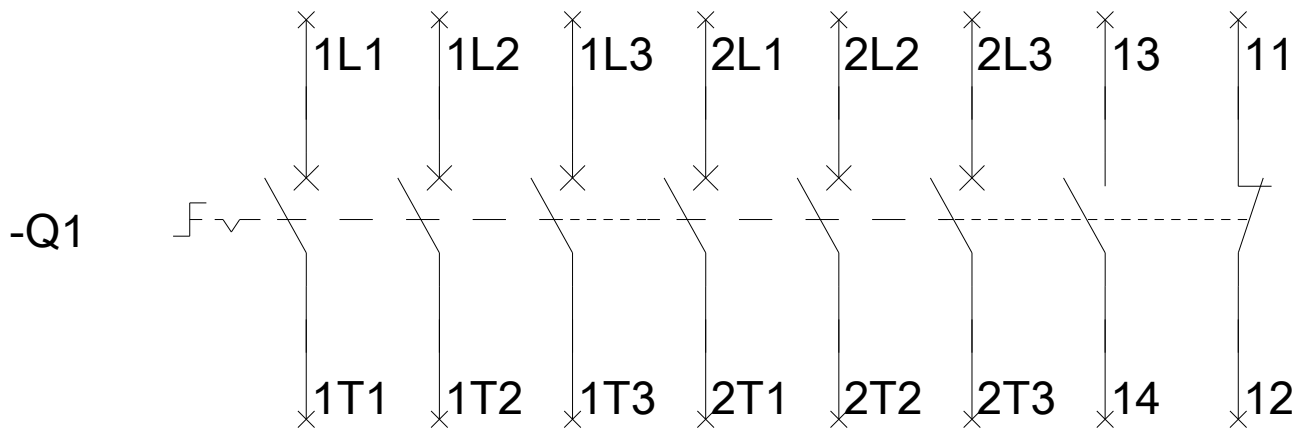
### CAX-Online-Generator

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

### Tender specifications

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





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