



SETRON, Switch disconnecter 3LD, main switch, 3-pole, Iu: 32 A, Operating power / at AC-23 A at 400 V: 11.5 kW, front-mounted, rotary operating mechanism, black, 4-hole mounting of the handle

| Model   |                                   |
|---|-----------------------------------|
| product brand name  | SETRON                            |
| product designation   | Switch disconnecter               |
| design of the product   | Main switch                       |
| display version for switch position indicator manual operation                      | 1 ON - 0 OFF                      |
| type of switch  | front mounted                     |
| design of the actuating element   | Short rotary knob                 |
| color of the actuating element  | black                             |
| design of handle  | rotary operating mechanism, black |
| type of the driving mechanism motor drive   | No                                |
| General technical data  |                                   |
| number of poles   | 3                                 |
| size of switch disconnecter   | 2                                 |
| mechanical service life (operating cycles) typical                                  | 100 000                           |
| electrical endurance (operating cycles)   |                                   |
| • at AC-23 A at 690 V   | 6 000                             |
| operating frequency maximum   | 50 1/h                            |
| degree of pollution   | 3                                 |
| Voltage   |                                   |
| insulation voltage rated value  | 690 V                             |
| surge voltage resistance rated value  | 6 kV                              |
| operating voltage   |                                   |
| • at AC rated value   | 690 V                             |
| operating frequency rated value   |                                   |
| • minimum   | 50 Hz                             |
| • maximum   | 60 Hz                             |
| Protection class  |                                   |
| protection class IP   | IP65                              |
| degree of protection NEMA rating  | 1, 3R, 4X, 12                     |
| protection class IP on the front  | IP65                              |
| Dissipation   |                                   |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 1.8 W                             |
| Main circuit  |                                   |
| operational current   |                                   |
| • at AC-21 at 690 V rated value   | 32 A                              |
| • at AC-21 A at 240 V rated value   | 32 A                              |
| • at AC-21 A at 400 V rated value   | 32 A                              |

|  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• at AC-21 A at 440 V rated value</li> <li>• at AC-23 A at 400 V rated value</li> </ul>   | 32 A<br>22 A   |
| <b>operating power</b>   |  |
| <ul style="list-style-type: none"> <li>• at AC-23 A at 240 V rated value</li> <li>• at AC-23 A at 400 V rated value</li> <li>• at AC-23 A at 440 V rated value</li> <li>• at AC-23 A at 690 V rated value</li> <li>• at AC-3 at 240 V rated value</li> <li>• at AC-3 at 400 V rated value</li> <li>• at AC-3 at 690 V rated value</li> </ul> | 6 kW<br>12 kW<br>11.5 kW<br>12 kW<br>5.5 kW<br>10 kW<br>9.5 kW       |
| <b>Auxiliary circuit</b>   |  |
| number of CO contacts for auxiliary contacts   | 0  |
| number of NC contacts for auxiliary contacts   | 0  |
| number of NO contacts for auxiliary contacts   | 0  |
| 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>   |  |
| suitability for use main switch  | Yes  |
| suitability for use switch disconnecter  | Yes  |
| suitability for use EMERGENCY OFF switch   | No   |
| suitability for use safety switch  | Yes  |
| suitability for use maintenance/repair switch  | Yes  |
| <b>Product details</b>   |  |
| product feature can be locked into OFF position  | Yes  |
| <b>Accessories</b>   |  |
| product extension optional   |  |
| <ul style="list-style-type: none"> <li>• motor drive</li> <li>• voltage trigger</li> </ul>   | No<br>No   |
| number of connectable NC contacts for auxiliary contacts attachable maximum  | 3  |
| number of connectable NO contacts for auxiliary contacts attachable maximum  | 3  |
| number of connectable CO contacts for auxiliary contacts attachable maximum  | 0  |
| number of bracket locks maximum  | 3  |
| hasp thickness of the bracket locks  | 4 ... 8 mm   |
| <b>Short circuit</b>   |  |
| conditional short-circuit current with line-side fuse protection   |  |
| <ul style="list-style-type: none"> <li>• at 690 V by gG fuse rated value</li> </ul>  | 50 kA  |
| <b>let-through current with closed switch</b>  |  |
| <ul style="list-style-type: none"> <li>• at 240 V for combination switch + gG fuse maximum</li> <li>• at 440 V for combination switch + gG fuse maximum</li> <li>• at 690 V for combination switch + gG fuse maximum permissible</li> </ul>  | 4.5 kA<br>4.5 kA<br>5 kA   |
| <b>I<sup>2</sup>t value with closed switch</b>   |  |
| <ul style="list-style-type: none"> <li>• at 240 V for combination switch + gG fuse maximum</li> <li>• at 440 V for combination switch + gG fuse maximum</li> <li>• at 690 V for combination switch + gG fuse maximum</li> </ul>  | 9 kA <sup>2</sup> .s<br>9 kA <sup>2</sup> .s<br>9 kA <sup>2</sup> .s |
| <b>design of the fuse link</b>   |  |
| <ul style="list-style-type: none"> <li>• for short-circuit protection of the main circuit required</li> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>   | fuse gL/gG: 40 A<br>fuse gL/gG: 10 A                                 |
| operational current of upstream fuse rated value   | 40 A   |
| <b>according UL</b>  |  |
| operational current at AC according to UL 508/UL 60947-4-1 rated value   | 32 A   |
| operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value   | 600 V  |
| active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  | 20   |

|   |      |
|---|------|
| active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value | 20   |
| short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 | 5 kA |
| continuous current of upstream fuse according to UL rated value               | 80 A |
| type of fuse according to UL  | RK5  |

#### Connections

|   |  |
|---|--|
| AWG number as coded connectable conductor cross section solid maximum | 8<br>14  |
| type of connectable conductor cross-sections for copper conductor     | 1x (1,5...16mm <sup>2</sup> )<br>1x (1,5...10mm <sup>2</sup> )<br>1x (1,5...16mm <sup>2</sup> )  |
| type of connectable conductor cross-sections for auxiliary contacts   | lateral auxiliary switch 2x (0,75 ... 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 ... 2,5mm <sup>2</sup> )<br>lateral auxiliary switch 2x (0,75 ... 1,5mm <sup>2</sup> ), 1x 2,5mm <sup>2</sup> ; front auxiliary switch 1x 2,5mm <sup>2</sup><br>lateral auxiliary switch 2x (0,75 ... 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 ... 2,5mm <sup>2</sup> ) |
| type of electrical connection   | box terminal<br>connection terminals   |

#### Mechanical Design

|                  |                                     |
|------------------|-------------------------------------|
| height           | 83 mm                               |
| width            | 67 mm                               |
| depth            | 93 mm                               |
| type of device   | fixed mounting                      |
| fastening method | Built-in unit fixed-mounted version |
| fastening method | Yes<br>No<br>No                     |
| Net Weight       | 202.5 g                             |

#### Environmental conditions

|                                      |                 |
|--------------------------------------|-----------------|
| ambient temperature during operation | -25 °C<br>55 °C |
| ambient temperature during storage   | -25 °C<br>55 °C |

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



##### General Product Approval

##### Maritime application

##### other

[Miscellaneous](#)



## Environmental Con- firmations

### Information on the packaging

### Information for data generation and storage

### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2203-0TK51>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2203-0TK51>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2203-0TK51](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2203-0TK51)

**CAX-Online-Generator**

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

### Tender specifications

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

### Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>)





