



SETRON, switch disconnecter 3LD, main switch, 4-pole, Iu: 63 A, operating power / at AC-23 A at 400 V: 22 kW, floor mounting with door coupling, defeatable knob-operated 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                                                                      | Floor mounting with door coupling |
| design of the actuating element                                                     | selector switch                   |
| color of the actuating element                                                      | black                             |
| design of handle                                                                    | knob-operated mechanism, black    |
| type of the driving mechanism motor drive                                           | No                                |
| General technical data                                                              |                                   |
| number of poles                                                                     | 4                                 |
| size of switch disconnecter                                                         | 3                                 |
| 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 | 4.5 W                             |
| Main circuit                                                                        |                                   |
| operational current                                                                 |                                   |
| • at AC-21 at 690 V rated value                                                     | 63 A                              |
| • at AC-21 A at 240 V rated value                                                   | 63 A                              |
| • at AC-21 A at 400 V rated value                                                   | 63 A                              |
| • at AC-21 A at 440 V rated value                                                   | 63 A                              |
| • at AC-23 A at 400 V rated value                                                   | 43 A                              |

|                                                                                  |                       |
|----------------------------------------------------------------------------------|-----------------------|
| operating power                                                                  |                       |
| • at AC-23 A at 240 V rated value                                                | 11 kW                 |
| • at AC-23 A at 400 V rated value                                                | 22 kW                 |
| • at AC-23 A at 440 V rated value                                                | 22 kW                 |
| • at AC-23 A at 690 V rated value                                                | 19 kW                 |
| • at AC-3 at 240 V rated value                                                   | 11 kW                 |
| • at AC-3 at 400 V rated value                                                   | 19 kW                 |
| • at AC-3 at 690 V rated value                                                   | 15 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                  |
| <b>Suitability</b>                                                               |                       |
| suitability for use                                                              |                       |
| • main switch                                                                    | Yes                   |
| • switch disconnecter                                                            | Yes                   |
| • EMERGENCY OFF switch                                                           | No                    |
| • safety switch                                                                  | Yes                   |
| • maintenance/repair switch                                                      | Yes                   |
| <b>Product details</b>                                                           |                       |
| product feature can be locked into OFF position                                  | Yes                   |
| <b>accessories</b>                                                               |                       |
| product extension optional                                                       |                       |
| • motor drive                                                                    | No                    |
| • voltage trigger                                                                | No                    |
| number of connectable NC contacts for auxiliary contacts attachable maximum      | 3                     |
| number of connectable NO contacts for auxiliary contacts attachable maximum      | 5                     |
| number of connectable CO contacts for auxiliary contacts attachable maximum      | 0                     |
| number of bracket locks maximum                                                  | 3                     |
| hasp thickness of the bracket locks                                              | 4 ... 6 mm            |
| <b>Short circuit</b>                                                             |                       |
| conditional short-circuit current with line-side fuse protection                 |                       |
| • at 690 V by gG fuse rated value                                                | 50 kA                 |
| let-through current with closed switch                                           |                       |
| • at 240 V for combination switch + gG fuse maximum                              | 6 kA                  |
| • at 440 V for combination switch + gG fuse maximum                              | 6 kA                  |
| • at 690 V for combination switch + gG fuse maximum permissible                  | 6 kA                  |
| I <sub>2t</sub> value with closed switch                                         |                       |
| • at 240 V for combination switch + gG fuse maximum                              | 21 kA <sup>2</sup> .s |
| • at 440 V for combination switch + gG fuse maximum                              | 21 kA <sup>2</sup> .s |
| • at 690 V for combination switch + gG fuse maximum                              | 21 kA <sup>2</sup> .s |
| design of the fuse link                                                          |                       |
| • 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      |
| operational current of upstream fuse rated value                                 | 63 A                  |
| <b>according UL</b>                                                              |                       |
| operational current at AC according to UL 508/UL 60947-4-1 rated value           | 63 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    | 40                    |
| active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value    | 50                    |
| 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                  | 175 A                 |

|                                                                       |                                                                                                                                            |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| type of fuse according to UL                                          | RK5                                                                                                                                        |
| <b>Connections</b>                                                    |                                                                                                                                            |
| AWG number as coded connectable conductor cross section solid maximum |                                                                                                                                            |
| •                                                                     | 6                                                                                                                                          |
| •                                                                     | 14                                                                                                                                         |
| type of connectable conductor cross-sections for copper conductor     |                                                                                                                                            |
| • solid                                                               | 1x (2,5...35mm <sup>2</sup> )                                                                                                              |
| • finely stranded with core end processing                            | 1x (2,5...16 mm <sup>2</sup> )                                                                                                             |
| • stranded                                                            | 1x (2,5...35mm <sup>2</sup> )                                                                                                              |
| type of connectable conductor cross-sections for auxiliary contacts   |                                                                                                                                            |
| • solid                                                               | 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> ) |
| • finely stranded with core end processing                            | 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>           |
| • stranded                                                            | 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                                         |                                                                                                                                            |
| • for main current circuit                                            | box terminal                                                                                                                               |
| • for auxiliary contacts                                              | connection terminals                                                                                                                       |

|                                          |                                     |
|------------------------------------------|-------------------------------------|
| <b>Mechanical Design</b>                 |                                     |
| height                                   | 91 mm                               |
| width                                    | 84 mm                               |
| depth                                    | 395 mm                              |
| type of device                           | fixed mounting                      |
| fastening method                         | Built-in unit fixed-mounted version |
| fastening method                         |                                     |
| • 4-hole front mounting                  | Yes                                 |
| • front mounting with central attachment | No                                  |
| • rail mounting                          | Yes                                 |
| net weight                               | 634 g                               |

|                                      |        |
|--------------------------------------|--------|
| <b>Environmental conditions</b>      |        |
| ambient temperature during operation |        |
| • minimum                            | -25 °C |
| • maximum                            | 55 °C  |
| ambient temperature during storage   |        |
| • minimum                            | -25 °C |
| • maximum                            | 55 °C  |

|                                 |  |
|---------------------------------|--|
| <b>Approvals Certificates</b>   |  |
| <b>General Product Approval</b> |  |



[Confirmation](#)



|                               |                   |       |                                             |
|-------------------------------|-------------------|-------|---------------------------------------------|
| General Product Approval      | Marine / Shipping | other | Environment                                 |
| <a href="#">Miscellaneous</a> |                   |       | <a href="#">Miscellaneous</a>               |
|                               |                   |       | <a href="#">Confirmation</a>                |
|                               |                   |       | <a href="#">Environmental Confirmations</a> |

|                    |
|--------------------|
| <b>Environment</b> |
|--------------------|

[Environmental Confirmations](#)

## Further information

### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

### 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=3LD2517-1TL11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2517-1TL11>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2517-1TL11](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2517-1TL11)

### CAX-Online-Generator

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

### Tender specifications

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





