



SETRON, Switch disconnecter 3LD, emergency switching-off switch, 3-pole, Iu: 63 A, operating power / at AC-23 A 400 V: 22 kW, Molded plastic encapsulation for inch cable gland, 1 NC, 1 NO, 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 actuating element   | 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  | PE   |
| type of device  | fixed mounting                                   |
| type of switch  | Molded-plastic enclosure for inch threaded joint |
| size of switch disconnecter   | 3  |
| mechanical service life (switching cycles) / typical electrical endurance (switching cycles)                    | 100 000  |
| • at AC-23 A / at 690 V   | 6 000  |
| I <sup>2</sup> t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum             | 21 kA <sup>2</sup> .s                            |
| let-through I <sup>2</sup> t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum | 21 kA <sup>2</sup> .s                            |
| operating frequency / maximum   | 50 1/h   |
| Voltage   |  |
| insulation voltage / rated value  | 690 V  |
| surge voltage resistance / rated value  | 6 kV   |
| Protection class  |  |
| protection class IP   | IP65   |
| degree of protection NEMA rating  | 1, 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  |
| • per conductor / typical   | 5 W  |
| Current   |  |
| operational current   |  |
| • at 40 °C / rated value  | 63 A   |
| • at 45 °C / rated value  | 63 A   |
| • at 50 °C / rated value  | 63 A   |

|   |       |
|---|-------|
| <ul style="list-style-type: none"> <li>• at 55 °C / rated value</li> </ul>  | 63 A  |
| <ul style="list-style-type: none"> <li>• at AC / rated value</li> </ul>   | 63 A  |
| <ul style="list-style-type: none"> <li>• at AC-23 A / at 400 V / rated value</li> </ul>                               | 43 A  |
| <ul style="list-style-type: none"> <li>• at AC-21 / at 690 V / rated value</li> </ul>                                 | 63 A  |
| <ul style="list-style-type: none"> <li>• at AC-21 A / at 240 V / rated value</li> </ul>                               | 63 A  |
| <ul style="list-style-type: none"> <li>• at AC-21 A / at 440 V / rated value</li> </ul>                               | 63 A  |
| operational current / of upstream fuse / rated value  | 63 A  |
| let-through current / with closed switch  |       |
| <ul style="list-style-type: none"> <li>• at 440 V / for combination switch + gG fuse / maximum</li> </ul>             | 6 kA  |
| <ul style="list-style-type: none"> <li>• at 690 V / for combination switch + gG fuse / maximum permissible</li> </ul> | 6 kA  |
| <b>Main circuit</b>   |       |
| operating power   |       |
| <ul style="list-style-type: none"> <li>• at AC-23 A / at 240 V / rated value</li> </ul>                               | 11 kW |
| <ul style="list-style-type: none"> <li>• at AC-23 A / at 400 V / rated value</li> </ul>                               | 22 kW |
| <ul style="list-style-type: none"> <li>• at AC-23 A / at 440 V / rated value</li> </ul>                               | 22 kW |
| <ul style="list-style-type: none"> <li>• at AC-23 A / at 690 V / rated value</li> </ul>                               | 19 kW |
| <ul style="list-style-type: none"> <li>• at AC-3 / at 240 V / rated value</li> </ul>                                  | 11 kW |
| <ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>                                  | 19 kW |
| <ul style="list-style-type: none"> <li>• at AC-3 / at 690 V / rated value</li> </ul>                                  | 15 kW |
| operational current / rated value   | 63 A  |
| <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>  |       |
| suitability for use   |       |
| <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>Appearance</b>   |       |
| color / of the actuating element  | red   |
| <b>Product details</b>  |       |
| product feature   |       |
| <ul style="list-style-type: none"> <li>• can be locked into OFF position</li> </ul>                                   | Yes   |
| number of bracket locks / maximum   | 3     |
| hasp thickness / of the bracket locks / minimum   | 4 mm  |
| hasp thickness / of the bracket locks / maximum   | 8 mm  |
| product extension / optional  |       |
| <ul style="list-style-type: none"> <li>• motor drive</li> </ul>   | No    |
| <ul style="list-style-type: none"> <li>• voltage trigger</li> </ul>   | No    |
| <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>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  | 5 kA  |

|   |  |
|---|--|
| to UL 508/UL 60947-4-1  |  |
| continuous current / of upstream fuse / according to UL / rated value             | 175 A  |
| type of fuse / according to UL  | RK5  |
| <b>Number</b>   |  |
| number of connectable NC contacts / for auxiliary contacts / attachable / maximum | 2  |
| number of connectable NO contacts / for auxiliary contacts / attachable / maximum | 3  |
| number of connectable CO contacts / for auxiliary contacts / attachable / maximum | 0  |
| <b>Connections</b>  |  |
| AWG number / as coded connectable conductor cross section / solid                 |  |
| • maximum   | 6  |
| • minimum   | 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>Requirements</b>   |  |
| 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   |
| <b>Mechanical Design</b>  |  |
| height  | 201 mm   |
| width   | 146 mm   |
| depth   | 149 mm   |
| fastening method  | Complete unit in enclosure   |
| fastening method  |  |
| • 4-hole front mounting   | No   |
| • front mounting with central attachment  | Yes  |
| • rail mounting   | No   |
| net weight  | 951.66 g   |
| <b>Environmental conditions</b>   |  |
| ambient temperature / during operation  |  |
| • minimum   | -25 °C   |
| • maximum   | 55 °C  |
| ambient temperature / during storage / minimum                                    | -25 °C   |
| <b>General Product Approval</b>   |  |



[Confirmation](#)



[Miscellaneous](#)

General Product

Declaration of Conformity

Test Certificates

Marine / Shipping



other

[Miscellaneous](#)
[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=3LD2565-1GP53-0US2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2565-1GP53-0US2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2565-1GP53-0US2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2565-1GP53-0US2)

CAX-Online-Generator

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

Tender specifications

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



