



SETRON, Switch disconnecter 3LD, emergency switching-off switch, 3-pole, Iu: 16 A, operating power / at AC-23 A 400 V: 7.5 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                                     |
| type of switch                                                                              | Molded-plastic enclosure for inch threaded joint |
| design of the actuating element                                                             | Short rotary knob                                |
| color / of the actuating element                                                            | red                                              |
| 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                                               |
| size of switch disconnecter                                                                 | 1                                                |
| mechanical service life (switching cycles) / typical                                        | 100 000                                          |
| electrical endurance (switching 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, 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 | 0.5 W                                            |
| Current                                                                                     |                                                  |
| operational current / rated value                                                           | 16 A                                             |
| operational current                                                                         |                                                  |
| • at 40 °C / rated value                                                                    | 16 A                                             |

|                                                                                                                                                                                                                                                                                                                                                                          |                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at 45 °C / rated value</li> <li>• at 50 °C / rated value</li> <li>• at 55 °C / rated value</li> <li>• at AC / rated value</li> </ul>                                                                                                                                                                                            | 16 A<br>16 A<br>16 A<br>16 A                             |
| <b>Main circuit</b>                                                                                                                                                                                                                                                                                                                                                      |                                                          |
| operational current                                                                                                                                                                                                                                                                                                                                                      |                                                          |
| <ul style="list-style-type: none"> <li>• at AC-21 / at 690 V / rated value</li> <li>• at AC-21 A / at 240 V / rated value</li> <li>• at AC-21 A / at 400 V / rated value</li> <li>• at AC-21 A / at 440 V / rated value</li> <li>• at AC-23 A / at 400 V / rated value</li> </ul>                                                                                        | 16 A<br>16 A<br>16 A<br>16 A<br>16 A                     |
| operating power                                                                                                                                                                                                                                                                                                                                                          |                                                          |
| <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> | 4 kW<br>8 kW<br>7.5 kW<br>8 kW<br>3 kW<br>6 kW<br>5.5 kW |
| <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> <li>• switch disconnecter</li> <li>• EMERGENCY OFF switch</li> <li>• safety switch</li> <li>• maintenance/repair switch</li> </ul>                                                                                                                                                                             | Yes<br>Yes<br>Yes<br>Yes<br>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                                                                                                                                                                                                                                                                                        | 2                                                        |
| 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                                                    |
| let-through current / with closed switch                                                                                                                                                                                                                                                                                                                                 |                                                          |
| <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>                                                                                                                  | 3 kA<br>3 kA<br>3 kA                                     |
| let-through I <sup>2</sup> t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum                                                                                                                                                                                                                                                          | 2.5 kA <sup>2</sup> .s                                   |
| I <sup>2</sup> t value / with closed switch / at 690 V / for combination                                                                                                                                                                                                                                                                                                 | 3 kA <sup>2</sup> .s                                     |

|                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| switch + gG fuse / maximum                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| design of the fuse link <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: 20 A<br>fuse gL/gG: 10 A                                                                                                                                                                                                                                                                                                                                                                                         |
| operational current / of upstream fuse / rated value                                                                                                                                                               | 20 A                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>according UL</b>                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| operational current / at AC / according to UL 508/UL 60947-4-1 / rated value                                                                                                                                       | 16 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                                                                                                                              | 7.5                                                                                                                                                                                                                                                                                                                                                                                                                          |
| active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value                                                                                                                              | 10                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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                                                                                                                                              | 50 A                                                                                                                                                                                                                                                                                                                                                                                                                         |
| type of fuse / according to UL                                                                                                                                                                                     | RK5                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Connections</b>                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| AWG number / as coded connectable conductor cross section / solid <ul style="list-style-type: none"> <li>• maximum</li> <li>• minimum</li> </ul>                                                                   | 10<br>18                                                                                                                                                                                                                                                                                                                                                                                                                     |
| type of connectable conductor cross-sections / for copper conductor <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with core end processing</li> <li>• stranded</li> </ul>            | 1x (1...6mm <sup>2</sup> )<br>1x (1...4mm <sup>2</sup> )<br>1x (1..6mm <sup>2</sup> )                                                                                                                                                                                                                                                                                                                                        |
| type of connectable conductor cross-sections / for auxiliary contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with core end processing</li> <li>• stranded</li> </ul>          | 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 <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary contacts</li> </ul>                                                                       | box terminal<br>connection terminals                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Mechanical Design</b>                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| height                                                                                                                                                                                                             | 164 mm                                                                                                                                                                                                                                                                                                                                                                                                                       |
| width                                                                                                                                                                                                              | 100 mm                                                                                                                                                                                                                                                                                                                                                                                                                       |
| depth                                                                                                                                                                                                              | 118 mm                                                                                                                                                                                                                                                                                                                                                                                                                       |
| type of device                                                                                                                                                                                                     | fixed mounting                                                                                                                                                                                                                                                                                                                                                                                                               |
| fastening method                                                                                                                                                                                                   | Complete unit in enclosure                                                                                                                                                                                                                                                                                                                                                                                                   |
| fastening method <ul style="list-style-type: none"> <li>• 4-hole front mounting</li> <li>• front mounting with central attachment</li> <li>• rail mounting</li> </ul>                                              | No<br>Yes<br>No                                                                                                                                                                                                                                                                                                                                                                                                              |
| net weight                                                                                                                                                                                                         | 480 g                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Environmental conditions</b>                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ambient temperature / during operation <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                              | -25 °C<br>55 °C                                                                                                                                                                                                                                                                                                                                                                                                              |
| ambient temperature / during storage <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                | -25 °C<br>55 °C                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>General Product Approval</b>                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                              |



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[Miscellaneous](#)

General Product  
Approval

Declaration of Conformity

Test Certificates

Marine / Shipping



EG-Konf.

[Special Test Certificate](#)

[Miscellaneous](#)



LRS

other

[Environmental Confirmations](#)

[Miscellaneous](#)

#### 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=3LD2064-1GP53-0US2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2064-1GP53-0US2>

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

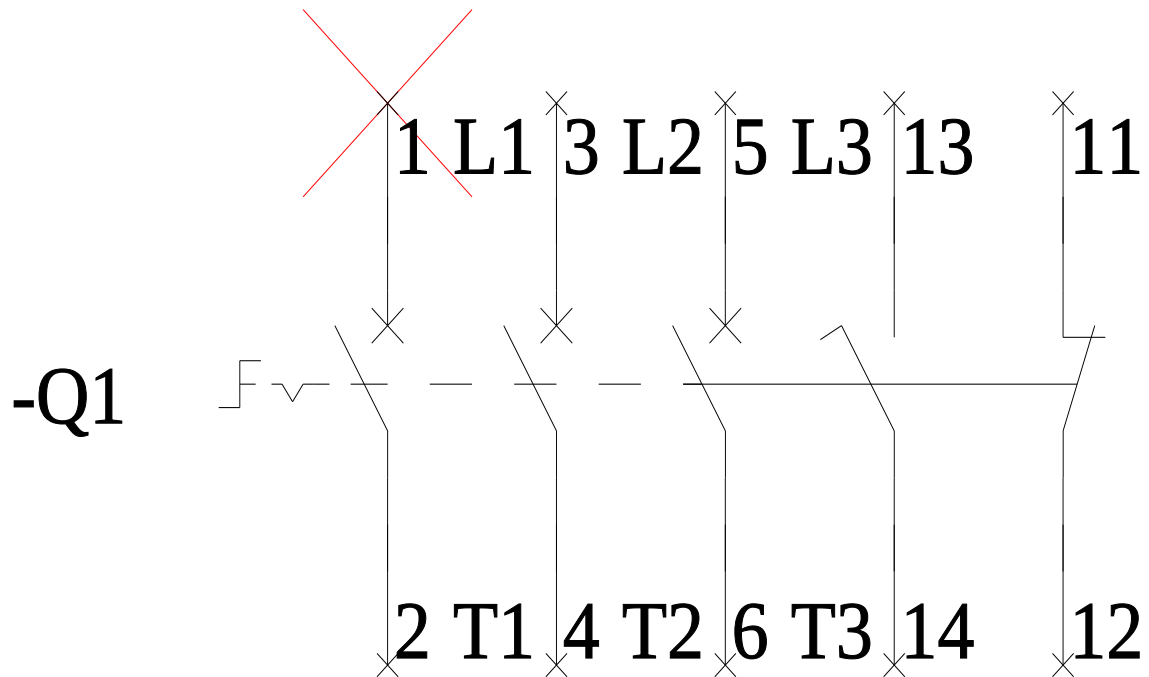
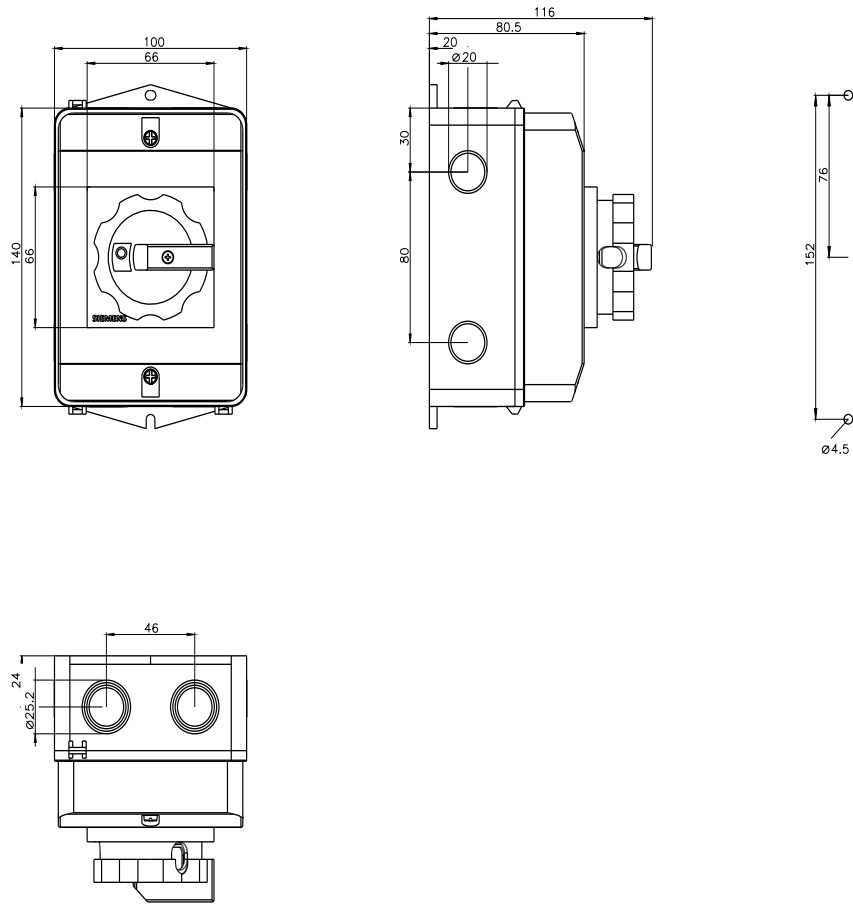
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2064-1GP53-0US2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2064-1GP53-0US2)

CAX-Online-Generator

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

Tender specifications

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



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