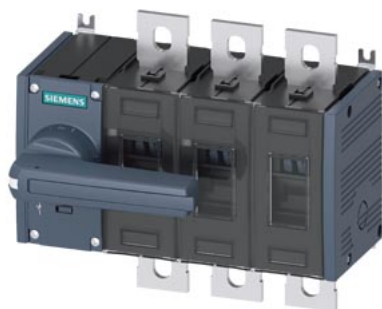


Switch disconnecter 400 A, Size 3, 3-pole Front operating mechanism left  
Complete unit with direct operating mechanism gray flat terminal



| Model                                                                                                 |                             |
|-------------------------------------------------------------------------------------------------------|-----------------------------|
| product brand name                                                                                    | SETRON                      |
| product designation                                                                                   | 3KD switch disconnecter     |
| design of the product                                                                                 | Switch                      |
| display version / for switch position indicator manual operation                                      | ON-OFF-TEST                 |
| design of the actuating element                                                                       | Long rotary knob            |
| type of the driving mechanism                                                                         | Front operating mechanism   |
| type of the driving mechanism / motor drive                                                           | No                          |
| General technical data                                                                                |                             |
| number of poles                                                                                       | 3                           |
| type of device                                                                                        | fixed mounting              |
| size of switch disconnecter                                                                           | 3                           |
| mechanical service life (switching cycles) / typical                                                  | 15 000                      |
| electrical endurance (switching cycles)                                                               |                             |
| • at AC-23 A / at 690 V                                                                               | 1 000                       |
| • at DC-23 A / at 440 V                                                                               | 1 000                       |
| I <sup>2</sup> t value                                                                                |                             |
| • with closed switch / at 1000 V / for combination switch +gG/aM SITOR fuse / maximum                 | 239 650 A <sup>2</sup> ·s   |
| • of the fuse / at 500 V / maximum permissible                                                        | 2 150 005 A <sup>2</sup> ·s |
| • of the gG fuse / at 690 V / maximum permissible                                                     | 1 650 005 A <sup>2</sup> ·s |
| • of the gG/aM SITOR fuse / at 1000 V / maximum permissible                                           | 260 000 A <sup>2</sup> ·s   |
| • of the molded case circuit breaker / at 415 V / maximum permissible                                 | 4 750 000 A <sup>2</sup> ·s |
| position / of the switch operating mechanism                                                          | at the left end             |
| overvoltage in percent / relative to the operating voltage / at AC / at 400, 500, 690 V / at 50/60 Hz | 10 %                        |
| overvoltage category                                                                                  | IV                          |
| degree of pollution                                                                                   | 3                           |
| Voltage                                                                                               |                             |
| operating voltage / with current paths in series                                                      |                             |
| • with degree of pollution 2 / at DC / rated value                                                    | 440 V / 3                   |
| • with degree of pollution 3 / at DC / rated value                                                    | 440 V / 3                   |
| insulation voltage                                                                                    |                             |
| • rated value                                                                                         | 1 000 V                     |
| surge voltage resistance / rated value                                                                | 12 kV                       |
| Protection class                                                                                      |                             |
| protection class IP                                                                                   | IP00                        |

|                                                                                           |           |
|-------------------------------------------------------------------------------------------|-----------|
| protection class IP                                                                       |           |
| • with closed switch / with cover or cable lug cover                                      | IP20      |
| • on the front                                                                            | IP00      |
| <b>Dissipation</b>                                                                        |           |
| power loss [W]                                                                            |           |
| • with conventional rated thermal current / per pole                                      | 14 W      |
| • with conventional rated thermal current / per device                                    | 42 W      |
| • for rated value of the current / at AC / in hot operating state / per pole              | 14 W      |
| <b>Current</b>                                                                            |           |
| operational current                                                                       |           |
| • at 35 °C / rated value                                                                  | 400 A     |
| • at 40 °C / rated value                                                                  | 400 A     |
| • at 45 °C / rated value                                                                  | 400 A     |
| • at 50 °C / rated value                                                                  | 400 A     |
| • at 55 °C / rated value                                                                  | 400 A     |
| • at 60 °C / rated value                                                                  | 400 A     |
| • at 65 °C / rated value                                                                  | 400 A     |
| • at 70 °C / rated value                                                                  | 400 A     |
| • at AC / rated value                                                                     | 400 A     |
| • at AC-23 A / at 690 V / rated value                                                     | 400 A     |
| • at AC-23 A / at 500 V / rated value                                                     | 400 A     |
| • at AC-23 A / at 400 V / rated value                                                     | 400 A     |
| • at AC-22 A / at 1000 V / maximum                                                        | 400 A     |
| • at AC-22 A / at 690 V / rated value                                                     | 400 A     |
| • at AC-22 A / at 500 V / rated value                                                     | 400 A     |
| • at AC-22 A / at 400 V / rated value                                                     | 400 A     |
| • at AC-20 A / at 1000 V / maximum                                                        | 400 A     |
| • at AC-21 A / at 500 V / rated value                                                     | 400 A     |
| • at AC-21 A / at 690 V / rated value                                                     | 400 A     |
| • at DC-20 A / at 1000 V / maximum                                                        | 400 A / 1 |
| • at DC-23 A / at 440 V / rated value / note                                              | 400 A / 3 |
| • at DC-23 A / at 220 V / rated value / note                                              | 400 A / 2 |
| • at DC-22 A / at 440 V / rated value / note                                              | 400 A / 3 |
| • at DC-22 A / at 220 V / rated value / note                                              | 400 A / 2 |
| • at DC-21 A / at 440 V / rated value / note                                              | 400 A / 3 |
| • at DC-21 A / at 220 V / rated value                                                     | 400 A / 2 |
| • at DC-21 B / at 750 V / rated value / maximum                                           | 400 A / 3 |
| continuous current / of upstream fuse / at 500 V and 690 V / rated value                  | 500 A     |
| continuous current / of upstream fuse / at 1000 V / rated value                           | 500 A     |
| continuous current / of upstream molded case circuit breaker / at 415 V / rated value     | 630 A     |
| operational current / at DC / rated value                                                 | 400 A     |
| let-through current / of the fuse / at 500 V / maximum permissible                        | 54 800 A  |
| let-through current / of the gG fuse / at 690 V / maximum permissible                     | 45 200 A  |
| let-through current / of the gG/aM SITOR fuse / at 1000 V / maximum permissible           | 21 500 A  |
| let-through current / of the molded case circuit breaker / at 415 V / maximum permissible | 43 500 A  |
| <b>Main circuit</b>                                                                       |           |
| operating power                                                                           |           |
| • at AC-23 A / at 500 V / rated value                                                     | 250 kW    |
| operational current / rated value                                                         | 400 A     |
| <b>Auxiliary circuit</b>                                                                  |           |
| number of connected NC contacts / for auxiliary contacts                                  | 0         |
| number of connected NO contacts / for auxiliary contacts                                  | 0         |
| number of connected CO contacts / for auxiliary contacts                                  | 0         |

|                                                                                                        |                                          |
|--------------------------------------------------------------------------------------------------------|------------------------------------------|
| number of CO contacts / for auxiliary contacts                                                         | 0                                        |
| number of NC contacts / for auxiliary contacts                                                         | 6                                        |
| number of NO contacts / for auxiliary contacts                                                         | 6                                        |
| <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 / interlock                                                                            | Yes                                      |
| product component                                                                                      |                                          |
| • trip indicator                                                                                       | No                                       |
| • voltage trigger                                                                                      | No                                       |
| • undervoltage release                                                                                 | No                                       |
| • undervoltage release with leading contact                                                            | No                                       |
| product extension / auxiliary switch                                                                   | Yes                                      |
| product extension / optional                                                                           |                                          |
| • motor drive                                                                                          | No                                       |
| • voltage trigger                                                                                      | No                                       |
| <b>Short circuit</b>                                                                                   |                                          |
| short-time withstand current (I <sub>cw</sub> ) / at 1000 V AC/440 V DC / limited to 1 s / rated value | 13 kA                                    |
| short-circuit current making capacity (I <sub>cm</sub> ) / for switch disconnecter                     |                                          |
| • at 1000 V AC / without fuse link / rated value / minimum                                             | 36 kA                                    |
| • at DC 440 V / without fuse link / rated value / minimum                                              | 36 kA                                    |
| • without fuse link / rated value / minimum                                                            | 36 kA                                    |
| conditional short-circuit current / with line-side fuse protection                                     |                                          |
| • at 415 V / by molded case circuit breaker / rated value                                              | 65 kA                                    |
| • at 500 V / by gG fuse / rated value                                                                  | 100 kA                                   |
| • at 690 V / by gG fuse / rated value                                                                  | 100 kA                                   |
| <b>Connections</b>                                                                                     |                                          |
| type of connectable conductor cross-sections / for aluminum conductor                                  |                                          |
| • stranded / with lug                                                                                  | 1x (25 ... 240 mm²), 2x (25 ... 120 mm²) |
| type of connectable conductor cross-sections                                                           |                                          |
| • for copper busbar                                                                                    | 1' x (30 x 10 mm²)                       |
| type of connectable conductor cross-sections / for copper conductor                                    |                                          |
| • stranded / with lug / acc. to DIN 46235                                                              | 1x (16 ... 185 mm²), 2x (16 ... 150 mm²) |
| type of electrical connection / for main current circuit                                               | flat connector                           |
| <b>Mechanical Design</b>                                                                               |                                          |
| height                                                                                                 | 164 mm                                   |
| width                                                                                                  | 190 mm                                   |
| depth                                                                                                  | 130.5 mm                                 |
| fastening method                                                                                       | screw fixing                             |
| fastening method                                                                                       |                                          |
| • 4-hole front mounting                                                                                | No                                       |
| • front mounting with central attachment                                                               | No                                       |
| • rail mounting                                                                                        | No                                       |
| mounting position                                                                                      | any                                      |
| net weight                                                                                             | 3 000 g                                  |
| <b>Environmental conditions</b>                                                                        |                                          |
| ambient temperature / during operation                                                                 |                                          |
| • minimum                                                                                              | -25 °C                                   |

- maximum

70 °C

ambient temperature / during storage

- minimum
- maximum

-50 °C

80 °C

General Product Approval

Declaration of Conformity



[Miscellaneous](#)



[UK Declaration of Conformity](#)



Marine / Shipping

other



[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=3KD4232-0PE10-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KD4232-0PE10-0>

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

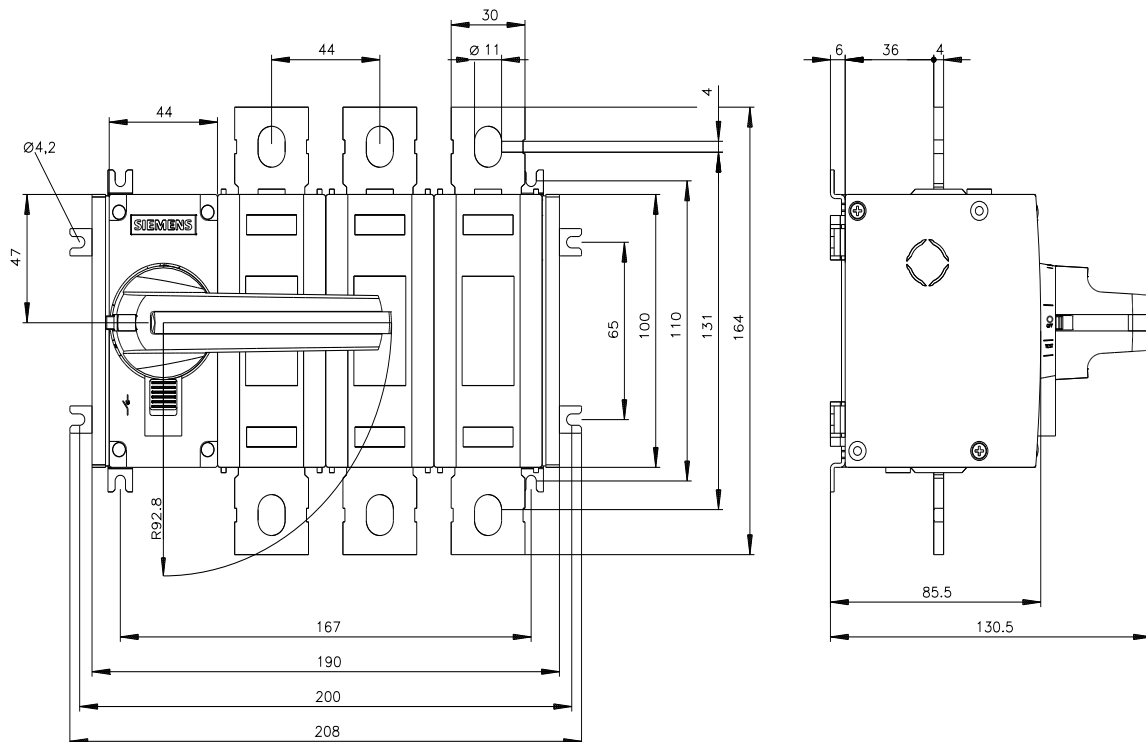
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KD4232-0PE10-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD4232-0PE10-0)

CAX-Online-Generator

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

Tender specifications

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



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