

Switch disconnecter 400 A, Size 3, 3-pole Side operating mechanism right Basic unit without handle flat terminal



| Model                                                                                         |                             |
|-----------------------------------------------------------------------------------------------|-----------------------------|
| product brand name                                                                            | SETRON                      |
| product designation                                                                           | 3KD switch disconnecter     |
| design of the product                                                                         | Switch                      |
| display version for switch position indicator door-coupling rotary operating mechanism        | ON-OFF                      |
| design of the actuating element                                                               | Without handle              |
| type of the driving mechanism                                                                 | Side 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 (operating cycles) typical                                            | 15 000                      |
| electrical endurance (operating 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 right 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                       |
| operational current at AC-22 A at 1000 V maximum                                              | 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                                           | 45 200 A                    |

|                                                                                                  |                                                                    |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| permissible                                                                                      |                                                                    |
| <b>Supply voltage</b>                                                                            |                                                                    |
| operating voltage at AC rated value                                                              | 1 000 V                                                            |
| <b>Protection class</b>                                                                          |                                                                    |
| 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>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                                                                |
| 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 interlock                                                                        | No                                                                 |
| 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 mm <sup>2</sup> ), 2x (25 ... 120 mm <sup>2</sup> ) |
| type of connectable conductor cross-sections                                                     |                                                                    |
| • with combination of Al conductor+switch                                                        | 315 A / 240 mm <sup>2</sup>                                        |
| • for copper busbar                                                                              | '1 x (30 x 10 mm <sup>2</sup> )                                    |

|                                                                          |                                                                    |
|--------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>type of connectable conductor cross-sections for copper conductor</b> |                                                                    |
| • stranded with lug according to DIN 46234                               | 1x (6 ... 240 mm <sup>2</sup> ), 2x (6 ... 150 mm <sup>2</sup> )   |
| • stranded with lug according to DIN 46235                               | 1x (16 ... 185 mm <sup>2</sup> ), 2x (16 ... 150 mm <sup>2</sup> ) |
| type of electrical connection for main current circuit                   | flat connector                                                     |
| <b>Mechanical Design</b>                                                 |                                                                    |
| height                                                                   | 164 mm                                                             |
| width                                                                    | 198.5 mm                                                           |
| depth                                                                    | 95 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                                                               | 2 949 g                                                            |
| <b>Environmental conditions</b>                                          |                                                                    |
| ambient temperature during operation                                     |                                                                    |
| • minimum                                                                | -25 °C                                                             |
| • maximum                                                                | 70 °C                                                              |
| ambient temperature during storage                                       |                                                                    |
| • minimum                                                                | -50 °C                                                             |
| • maximum                                                                | 80 °C                                                              |
| <b>Certificates</b>                                                      |                                                                    |
| reference code according to IEC 81346-2                                  | Q                                                                  |
| <b>Approvals Certificates</b>                                            |                                                                    |
| <b>General Product Approval</b>                                          |                                                                    |



[Confirmation](#)



[Miscellaneous](#)

|                          |                   |                   |       |
|--------------------------|-------------------|-------------------|-------|
| General Product Approval | Test Certificates | Marine / Shipping | other |
|--------------------------|-------------------|-------------------|-------|



[Type Test Certificates/Test Report](#)



[Miscellaneous](#)

[Confirmation](#)

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

[Environmental Conformations](#)

[Environmental Conformations](#)

|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

#### 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=3KD4234-0PE40-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KD4234-0PE40-0>

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

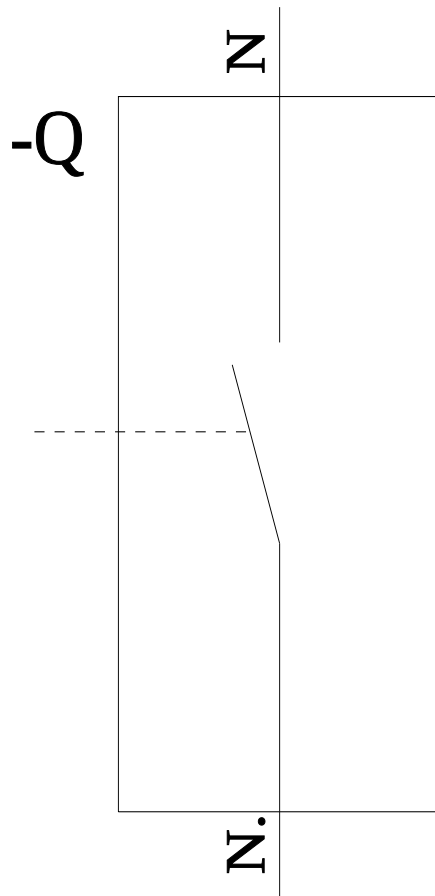
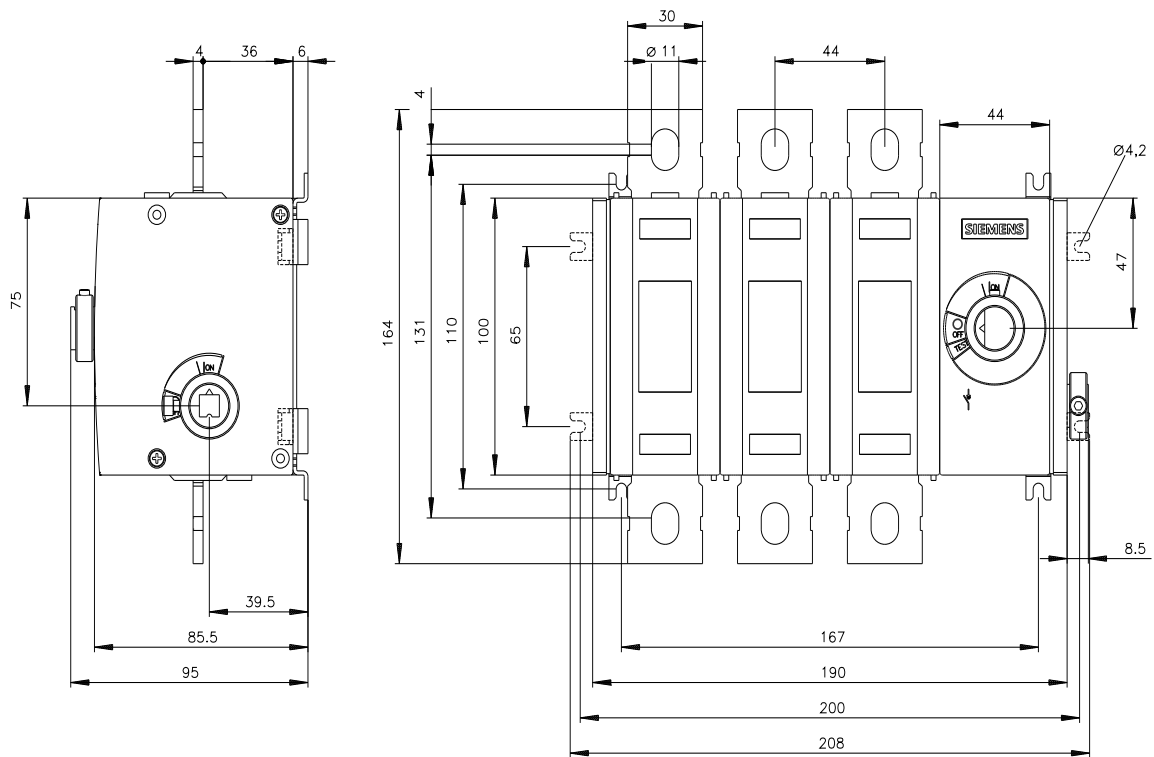
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KD4234-0PE40-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD4234-0PE40-0)

#### CAX-Online-Generator

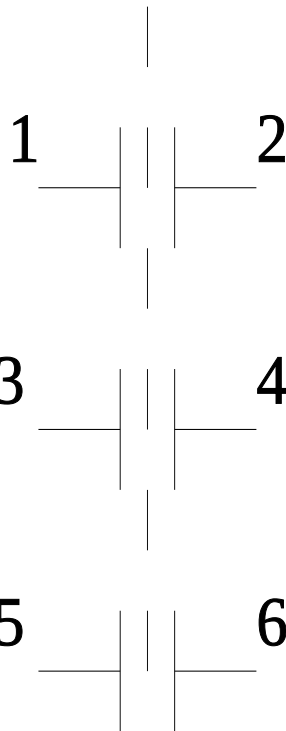
<http://www.siemens.com/cax>

#### Tender specifications

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



# -CR



last modified:

8/9/2024 

