

SWITCH-DISCONNECTOR 125A, FRAME SIZE 2,  
4-POLE FRONT OPERATING CENTER BASIC UNIT  
WITHOUT HANDLE FLAT TERMINAL INCL. PHASE  
BARRIERS



Similar to image

**General technical details:**

|                                    |   |                          |
|------------------------------------|---|--------------------------|
| <b>product brand name</b>          |   | SETRON                   |
| <b>Product designation</b>         |   | Switching device         |
| <b>Design of the product</b>       |   | 3KD Switch Disconnectors |
| <b>Size of switch disconnector</b> |   | 2                        |
| <b>Number of poles</b>             |   | 4                        |
| <b>Continuous current</b>          |   |                          |
| • rated value                      | A | 125                      |
| • at 40 °C / rated value           | A | 125                      |
| • at 45 °C / rated value           | A | 125                      |
| • at 50 °C / rated value           | A | 125                      |
| • at 55 °C / rated value           | A | 125                      |
| • at 60 °C / rated value           | A | 125                      |
| • at 65 °C / rated value           | A | 125                      |
| • at 70 °C / rated value           | A | 125                      |
| • at DC / rated value              | A | 125                      |
| <b>Operating current</b>           |   |                          |
| • at AC-21 A                       |   |                          |
| • at 400 V / maximum               | A | 125                      |

|  |                   |         |
|--|-------------------|---------|
| <ul style="list-style-type: none"> <li>• at 500 V / maximum</li> </ul>   | A                 | 125     |
| <ul style="list-style-type: none"> <li>• at 690 V / maximum</li> </ul>   | A                 | 125     |
| <ul style="list-style-type: none"> <li>• at AC-22 A <ul style="list-style-type: none"> <li>• at 400 V / at 50/60 Hz / rated value / maximum</li> <li>• at 500 V / at 50/60 Hz / rated value / maximum</li> <li>• at 690 V / at 50/60 Hz / rated value / maximum</li> </ul> </li> </ul> | A                 | 125     |
| <ul style="list-style-type: none"> <li>• at 500 V / at 50/60 Hz / rated value / maximum</li> </ul>   | A                 | 125     |
| <ul style="list-style-type: none"> <li>• at 690 V / at 50/60 Hz / rated value / maximum</li> </ul>   | A                 | 125     |
| <ul style="list-style-type: none"> <li>• at AC-23 A <ul style="list-style-type: none"> <li>• at 400 V / at 50/60 Hz / rated value / maximum</li> <li>• at 500 V / at 50/60 Hz / rated value / maximum</li> <li>• at 690 V / at 50/60 Hz / rated value / maximum</li> </ul> </li> </ul> | A                 | 125     |
| <ul style="list-style-type: none"> <li>• at 500 V / at 50/60 Hz / rated value / maximum</li> </ul>   | A                 | 125     |
| <ul style="list-style-type: none"> <li>• at 690 V / at 50/60 Hz / rated value / maximum</li> </ul>   | A                 | 125     |
| <b>Operational voltage</b>   |                   |         |
| <ul style="list-style-type: none"> <li>• at 50/60 Hz / for AC / rated value</li> </ul>   | V                 | 690     |
| <ul style="list-style-type: none"> <li>• with 3 current paths in series / with DC / rated value</li> </ul>   | V                 | 440     |
| <b>Insulation voltage / rated value</b>  | V                 | 1,000   |
| <b>Impulse voltage resistance / rated value</b>  | kV                | 8       |
| <b>Overvoltage class</b>   |                   | III     |
| <b>Operating power / at AC-23 A</b>  |                   |         |
| <ul style="list-style-type: none"> <li>• at 400 V / at 50/60 Hz / rated value</li> </ul>   | kW                | 55      |
| <ul style="list-style-type: none"> <li>• at 500 V / at 50/60 Hz / rated value</li> </ul>   | kW                | 75      |
| <ul style="list-style-type: none"> <li>• at 690 V / at 50/60 Hz / rated value</li> </ul>   | kW                | 110     |
| <b>I<sup>2</sup>t value / with closed switch</b>   |                   |         |
| <ul style="list-style-type: none"> <li>• for combination switch + fuse <ul style="list-style-type: none"> <li>• at 400 V / maximum</li> <li>• at 500 V / maximum</li> </ul> </li> </ul>  | A <sup>2</sup> ·s | 135,600 |
| <ul style="list-style-type: none"> <li>• at 690 V <ul style="list-style-type: none"> <li>• for combination switch +gG fuse / maximum</li> <li>• for combination switch +aM fuse / maximum</li> </ul> </li> </ul>   | A <sup>2</sup> ·s | 178,300 |
|  | A <sup>2</sup> ·s | 201,200 |
| <b>Let-through current / with closed switch</b>  |                   |         |
| <ul style="list-style-type: none"> <li>• for combination switch + fuse <ul style="list-style-type: none"> <li>• at 400 V / maximum permissible</li> <li>• at 500 V / maximum permissible</li> </ul> </li> </ul>  | A                 | 17,900  |
| <ul style="list-style-type: none"> <li>• at 690 V <ul style="list-style-type: none"> <li>• with combination switch +gG fuse / maximum permissible</li> <li>• with combination switch +aM fuse / maximum permissible</li> </ul> </li> </ul>   | A                 | 17,900  |
|  | A                 | 17,600  |
|  | A                 | 18,700  |
| <b>Short-time current resistance (I<sub>cw</sub>) / limited to 1 s / rated value</b>   | kA                | 4       |
| <b>Making capacity short-circuit current (I<sub>cm</sub>) / for switch disconnecter / without fuse link / rated value / minimum</b>  | kA                | 12      |
| <b>Conditional short-circuit current / with line-side fuse protection</b>  |                   |         |
| <ul style="list-style-type: none"> <li>• at 500 V / by gG fuse / rated value</li> </ul>  | kA                | 100     |
| <ul style="list-style-type: none"> <li>• at 690 V / by gG fuse / rated value</li> </ul>  | kA                | 65      |

|  |    |   |
|--|----|---|
| <b>Active power loss / with conventional rated thermal current / per pole</b>  | W  | 4.5   |
| <b>Product equipment / interlock</b>   |    | No  |
| <b>Type of the driving mechanism / motor drive</b>   |    | No  |
| <b>Product extension / optional / motor drive</b>  |    | No  |
| <b>Design of the electrical connection / for main current circuit</b>  |    | flat connector  |
| <b>Type of connectable conductor cross-sections</b><br><ul style="list-style-type: none"> <li>• for copper conductor / stranded / with lug <ul style="list-style-type: none"> <li>• according to DIN 46234</li> <li>• according to DIN 46235</li> </ul> </li> <li>• for copper busbar</li> </ul> |    | 1x (2.5 ... 95 mm <sup>2</sup> ), 2x (25 ... 50 mm <sup>2</sup> )<br>1x (25 ... 70 mm <sup>2</sup> ), 2x (25 ... 50 mm <sup>2</sup> )<br>1x (20x3 mm <sup>2</sup> ) |
| <b>Number of connected NC contacts / for auxiliary contacts</b>  |    | 0   |
| <b>Number of connected NO contacts / for auxiliary contacts</b>  |    | 0   |
| <b>Number of connected changeover contacts / for auxiliary contacts</b>  |    | 0   |
| <b>Product extension / auxiliary switch</b>  |    | Yes   |
| <b>Number of NC contacts / for auxiliary contacts</b>  |    | 0   |
| <b>Number of NO contacts / for auxiliary contacts</b>  |    | 0   |
| <b>Number of changeover contacts / for auxiliary contacts</b>  |    | 4   |
| <b>Acceptability for application / switch disconnecter</b>   |    | Yes   |
| <b>Acceptability for application</b><br><ul style="list-style-type: none"> <li>• emergency stop switch</li> <li>• main switch</li> <li>• safety cut-out switch</li> <li>• maintenance/repair switch</li> </ul>   |    | No<br>Yes<br>Yes<br>Yes   |
| <b>Design of the operating mechanism</b>   |    | without   |
| <b>Mounting type</b>   |    | Floor mounting and snap-on mounting to 35 mm standard mounting rail   |
| <b>Mounting type / rail mounting</b>   |    | Yes   |
| <b>Mounting type / front mounting with 4-hole attachment</b>   |    | No  |
| <b>Mounting type / front mounting with central attachment</b>  |    | No  |
| <b>Type from device</b>  |    | fixed mounting  |
| <b>mounting position</b>   |    | any   |
| <b>Position / of switch operating mechanism</b>  |    | after the second pole   |
| <b>Design of handle</b>  |    | without   |
| <b>Width</b>   | mm | 148   |
| <b>Height</b>  | mm | 168   |
| <b>Depth</b>   | mm | 68  |
| <b>Protection class IP</b><br><ul style="list-style-type: none"> <li>• on the front</li> </ul>   |    | IP00<br>IP00  |

|  |    |             |
|--|----|-------------|
| • with closed switch / with cover or cable lug cover                     |    | IP20        |
| <b>Ambient temperature</b>   |    |             |
| • during operating   | °C | -25 ... +70 |
| • during storage   | °C | -50 ... +80 |
| <b>Degree of pollution</b>   |    | 3           |
| <b>Mechanical operating cycles as operating time / typical</b>           |    | 15,000      |
| <b>Electrical endurance (switching cycles)</b>                           |    |             |
| • at AC-23 A / at 690 V / at 50/60 Hz                                    |    | 1,500       |
| • at DC-23 A   |    |             |
| • at 220 V   |    | 1,000       |
| • at 440 V   |    | 1,000       |
| <b>Design of display</b>   |    |             |
| • for switch position indicator door-coupling rotary operating mechanism |    | ON-OFF      |
| <b>Net weight</b>  | g  | 1,000       |
| <b>Reference code / according to DIN EN 61346-2</b>                      |    | Q           |
| <b>Item designation / according to DIN EN 81346-2</b>                    |    | Q           |

#### Certificates/approvals:

General Product Approval

Declaration of Conformity



#### Further information:

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KD3240-0NE20-0>

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

<http://support.automation.siemens.com/WWW/view/en/3KD3240-0NE20-0/all>

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

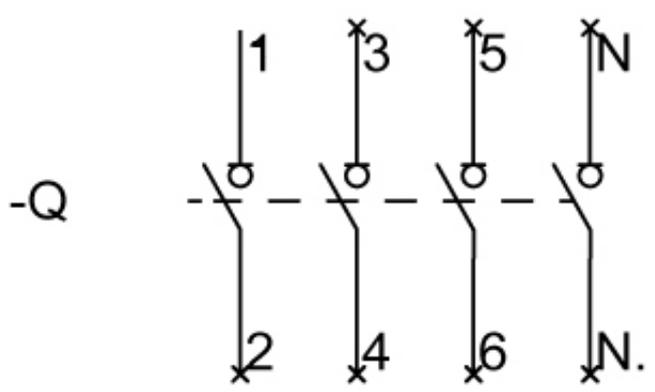
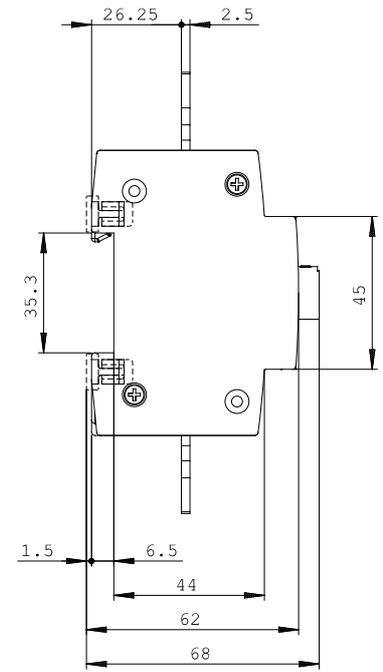
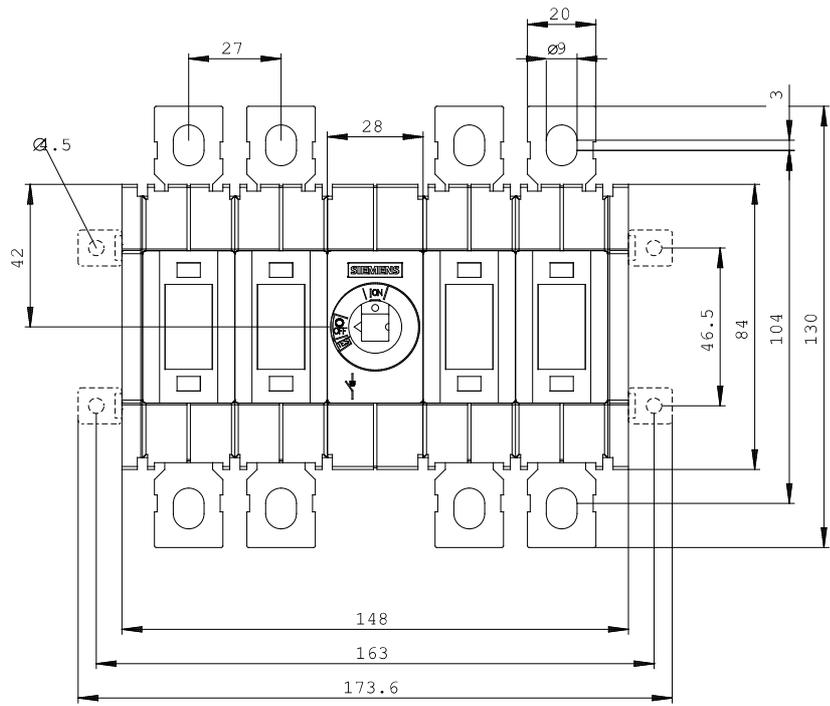
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KD3240-0NE20-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD3240-0NE20-0)

**CAX-Online-Generator**

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

**Tender specifications**

[Datanorm GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)



**last change:**

Apr 21, 2014