



Switch disconnecter 32 A, Size 1, 3-pole Lateral operating mechanism right Basic unit without handle Box terminal

| Model                                                                                         |                           |
|-----------------------------------------------------------------------------------------------|---------------------------|
| product brand name                                                                            | SENTRON                   |
| 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                                                                   | 1                         |
| mechanical service life (operating cycles) typical                                            | 15 000                    |
| electrical endurance (operating cycles)                                                       |                           |
| • at AC-23 A at 690 V                                                                         | 6 000                     |
| • at DC-23 A at 440 V                                                                         | 1 500                     |
| I <sup>2</sup> t value                                                                        |                           |
| • with closed switch at 1000 V for combination switch +gG/aM SITOR fuse maximum               | 2 331 A <sup>2</sup> ·s   |
| • of the gG/aM SITOR fuse at 1000 V maximum permissible                                       | 6 000 A <sup>2</sup> ·s   |
| • of the molded case circuit breaker at 415 V maximum permissible                             | 480 000 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                                                                          | III                       |
| 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                                                          | 8 kV                      |
| operational current at AC-22 A at 1000 V maximum                                              | 32 A                      |
| let-through current of the fuse at 500 V maximum permissible                                  | 12 500 A                  |
| let-through current of the gG fuse at 690 V maximum permissible                               | 14 700 A                  |
| Supply voltage                                                                                |                           |

|                                                                                                       |                                |
|-------------------------------------------------------------------------------------------------------|--------------------------------|
| operating voltage at AC rated value                                                                   | 1 000 V                        |
| <b>Protection class</b>                                                                               |                                |
| <b>protection class IP</b>                                                                            | IP20                           |
| <b>protection class IP</b>                                                                            |                                |
| • with closed switch with cover or cable lug cover                                                    | IP20                           |
| • on the front                                                                                        | IP20                           |
| <b>Dissipation</b>                                                                                    |                                |
| <b>power loss [W]</b>                                                                                 |                                |
| • with conventional rated thermal current per pole                                                    | 0.4 W                          |
| • with conventional rated thermal current per device                                                  | 1.2 W                          |
| • for rated value of the current at AC in hot operating state per pole                                | 0.4 W                          |
| <b>Main circuit</b>                                                                                   |                                |
| <b>operating power</b>                                                                                |                                |
| • at AC-23 A at 500 V rated value                                                                     | 19 kW                          |
| operational current rated value                                                                       | 32 A                           |
| <b>Auxiliary circuit</b>                                                                              |                                |
| <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 CO contacts for auxiliary contacts</b>                                         | 0                              |
| number of CO contacts for auxiliary contacts                                                          | 3                              |
| <b>number of NC contacts for auxiliary contacts</b>                                                   | 0                              |
| <b>number of NO contacts for auxiliary contacts</b>                                                   | 0                              |
| <b>Suitability</b>                                                                                    |                                |
| <b>suitability for use main switch</b>                                                                | Yes                            |
| <b>suitability for use switch disconnecter</b>                                                        | Yes                            |
| <b>suitability for use EMERGENCY OFF switch</b>                                                       | Yes                            |
| <b>suitability for use safety switch</b>                                                              | Yes                            |
| <b>suitability for use maintenance/repair switch</b>                                                  | Yes                            |
| <b>Product details</b>                                                                                |                                |
| <b>product feature interlock</b>                                                                      | No                             |
| product component                                                                                     |                                |
| • trip indicator                                                                                      | No                             |
| • voltage trigger                                                                                     | No                             |
| • undervoltage release                                                                                | No                             |
| • undervoltage release with leading contact                                                           | No                             |
| product extension auxiliary switch                                                                    | Yes                            |
| <b>product extension optional</b>                                                                     |                                |
| • motor drive                                                                                         | No                             |
| • voltage trigger                                                                                     | No                             |
| <b>Short circuit</b>                                                                                  |                                |
| <b>short-time withstand current (I<sub>cw</sub>) at 1000 V AC/440 V DC limited to 1 s rated value</b> | 3 kA                           |
| <b>short-circuit current making capacity (I<sub>cm</sub>) for switch disconnecter</b>                 |                                |
| • at 1000 V AC without fuse link rated value minimum                                                  | 7 kA                           |
| • at DC 440 V without fuse link rated value minimum                                                   | 7 kA                           |
| • without fuse link rated value minimum                                                               | 7 kA                           |
| <b>conditional short-circuit current with line-side fuse protection</b>                               |                                |
| • at 415 V by molded case circuit breaker rated value                                                 | 36 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 with flexible busbar                                     | 2x (0,8x9 mm <sup>2</sup> )    |
| <b>type of connectable conductor cross-sections</b>                                                   |                                |
| • for copper busbar                                                                                   | '1 x (2 x 9 mm <sup>2</sup> )  |
| <b>type of connectable conductor cross-sections for copper conductor</b>                              |                                |
| • solid                                                                                               | 1x (1 ... 16 mm <sup>2</sup> ) |
| • finely stranded with core end processing                                                            | 1x (1 ... 35 mm <sup>2</sup> ) |

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| • stranded                                             | 1x (6 ... 35 mm <sup>2</sup> )                |
| type of electrical connection for main current circuit | box terminal                                  |
| <b>Mechanical Design</b>                               |                                               |
| height                                                 | 119 mm                                        |
| width                                                  | 103.3 mm                                      |
| depth                                                  | 70 mm                                         |
| fastening method                                       | Screw fixing and standard rail mounting 35 mm |
| fastening method                                       |                                               |
| • 4-hole front mounting                                | No                                            |
| • front mounting with central attachment               | No                                            |
| • rail mounting                                        | Yes                                           |
| mounting position                                      | any                                           |
| net weight                                             | 853 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>                          |                                               |
| General Product Approval                               |                                               |



[Confirmation](#)



[Miscellaneous](#)

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



[Type Test Certificates/Test Report](#)



[Miscellaneous](#)

[Confirmation](#)

## Environment

[Environmental Confirmations](#)

[Environmental Confirmations](#)

## Further information

### 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=3KD2234-2ME40-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KD2234-2ME40-0>

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

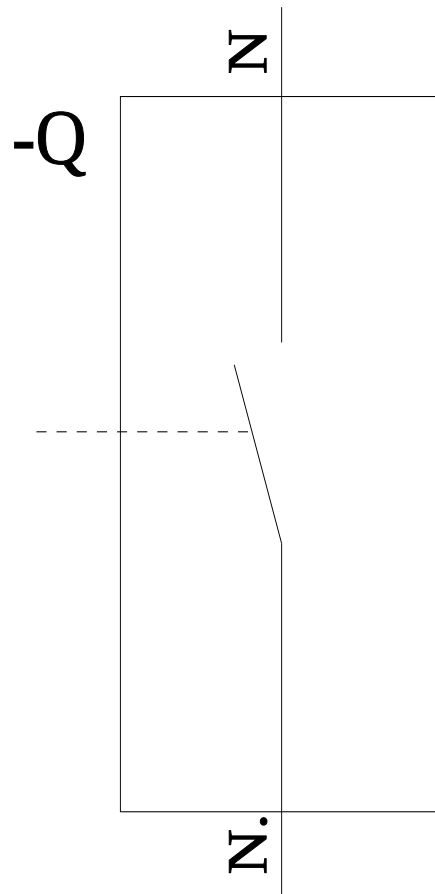
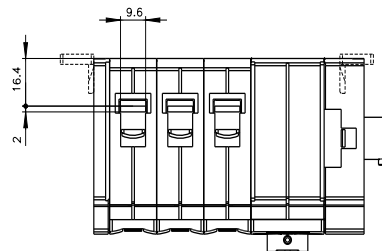
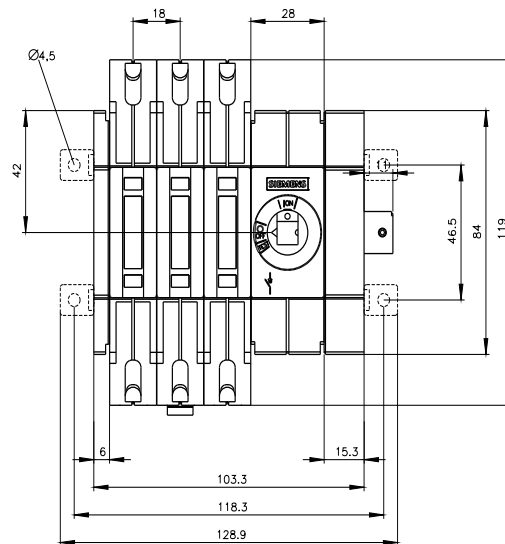
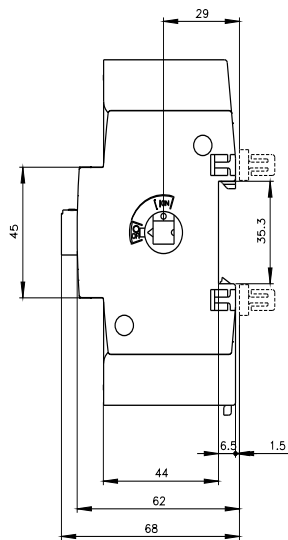
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KD2234-2ME40-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD2234-2ME40-0)

### CAX-Online-Generator

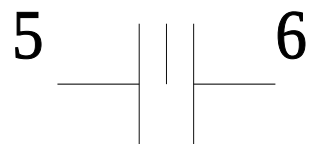
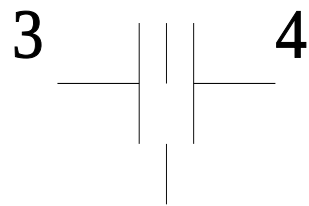
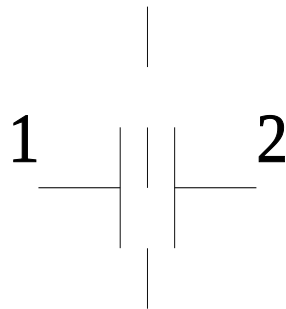
<http://www.siemens.com/cax>

### Tender specifications

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



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