

switch disconnecter 250A, frame size 3, 3-pole DC750V, front operating mech. left, basic unit without handle, flat terminal, DC-21B



| 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 (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                     |
| position of the switch operating mechanism                             | at the left end           |
| overvoltage category                                                   | III                       |
| degree of pollution                                                    | 3                         |
| Voltage                                                                |                           |
| operating voltage with current paths in series                         |                           |
| • with degree of pollution 2 at DC rated value                         | 750V                      |
| • with degree of pollution 3 at DC rated value                         | 750V                      |
| 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                      |
| Dissipation                                                            |                           |
| power loss [W]                                                         |                           |
| • with conventional rated thermal current per pole                     | 6 W                       |
| • with conventional rated thermal current per device                   | 18 W                      |
| • for rated value of the current at AC in hot operating state per pole | 6 W                       |
| Main circuit                                                           |                           |

|                                                                     |                                          |
|---------------------------------------------------------------------|------------------------------------------|
| operational current rated value                                     | 250 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 according to IEC 62626-1 safety switch          | No                                       |
| suitability for use 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                                       |
| product extension optional voltage trigger                          | No                                       |
| <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 according to DIN 46234                          | 1x (6 ... 240 mm²), 2x (6 ... 150 mm²)   |
| • stranded with lug according 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                                                              | 168 mm                                   |
| width                                                               | 108 mm                                   |
| depth                                                               | 68 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                                                          | 153 kg                                   |
| <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>                                       |                                          |
| Environment                                                         | General Product Approval                 |

[Environmental Con-  
firmations](#)

[Environmental Con-  
firmations](#)



[Miscellaneous](#)



General Product Approval

Test Certificates

other

[Confirmation](#)



[Type Test Certifi-  
cates/Test Report](#)

[Confirmation](#)



other

[Miscellaneous](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3KD3930-0PE10-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KD3930-0PE10-0>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KD3930-0PE10-0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD3930-0PE10-0)

CAX-Online-Generator

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

Tender specifications

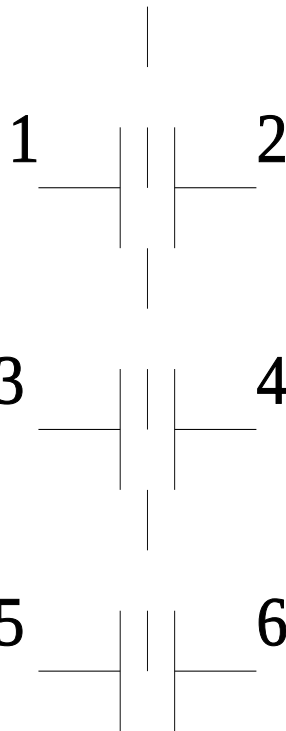
<https://www.siemens.com/specifications>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>)



# -CR



---

last modified:

8/8/2025 

