## **SIEMENS**

Data sheet 3KD0343-2LG20-3



Switch disconnector 63A, size 02, 4-pole Front operating mechanism center Complete unit with direct operating mechanism red/yellow Box terminal

| Model   |                           |
|---|---------------------------|
| product brand name  | SENTRON                   |
| product designation   | 3KD switch disconnector   |
| design of the product   | Switch                    |
| display version for switch position indicator manual operation                                | O-I                       |
| design of the actuating element   | Short rotary knob         |
| type of the driving mechanism   | Front operating mechanism |
| type of the driving mechanism motor drive   | No                        |
| General technical data  |                           |
| number of poles   | 4                         |
| type of device  | fixed mounting            |
| size of switch disconnector   | '02                       |
| mechanical service life (operating cycles) typical  | 100 000                   |
| electrical endurance (operating cycles)   |                           |
| • at AC-23 A at 690 V   | 6 000                     |
| I2t value   |                           |
| <ul> <li>of the fuse at 400 V maximum permissible</li> </ul>                                  | 80 000 A²-s               |
| <ul> <li>of the fuse at 500 V maximum permissible</li> </ul>                                  | 80 000 A²-s               |
| <ul> <li>of the gG fuse at 690 V maximum permissible</li> </ul>                               | 75 000 A²-s               |
| position of the switch operating mechanism  | central                   |
| overvoltage in percent relative to the operating voltage at AC at 400, 500, 690 V at 50/60 Hz | 5 %                       |
| overvoltage category  | III                       |
| degree of pollution   | 3                         |
| /oltage   |                           |
| insulation voltage  |                           |
| rated value   | 750 V                     |
| surge voltage resistance rated value  | 8 kV                      |
| Protection class  |                           |
| protection class IP   | IP10                      |
| protection class IP   |                           |
| <ul> <li>with closed switch with cover or cable lug cover</li> </ul>                          | IP10                      |
| • on the front  | IP40                      |
| Dissipation   |                           |
| power loss [W]  |                           |
| <ul> <li>with conventional rated thermal current per pole</li> </ul>                          | 3.1 W                     |
| <ul> <li>with conventional rated thermal current per device</li> </ul>                        | 3.1 W                     |
| <ul> <li>for rated value of the current at AC in hot operating state<br/>per pole</li> </ul>  | 9.2 W                     |
| Main circuit  |                           |

| operating power   |  |
|---|--|
| at AC-23 A at 500 V rated value   | 15 kW  |
| operational current rated value   | 63 A   |
| Auxiliary circuit   |  |
| 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  | 1  |
| number of NO contacts for auxiliary contacts  | 1  |
| Suitability   |  |
| suitability for use   |  |
| main switch   | Yes  |
| <ul> <li>switch disconnector</li> </ul>   | Yes  |
| <ul> <li>EMERGENCY OFF switch</li> </ul>  | Yes  |
| safety switch   | Yes  |
| maintenance/repair switch   | Yes  |
| Product details   |  |
| product component   |  |
| • trip indicator  | No   |
| <ul> <li>voltage trigger</li> </ul>   | No   |
| <ul> <li>undervoltage release</li> </ul>  | No   |
| <ul> <li>undervoltage release with leading contact</li> </ul>   | No   |
| product extension auxiliary switch  | Yes  |
| product extension optional  |  |
| <ul> <li>motor drive</li> </ul>   | No   |
| <ul> <li>voltage trigger</li> </ul>   | No   |
| Short circuit   |  |
| short-circuit current making capacity (Icm) for switch  |  |
| disconnector  |  |
| without fuse link rated value minimum   | 3.55 kA  |
| conditional short-circuit current with line-side fuse protection  |  |
| <ul> <li>at 500 V by gG fuse rated value</li> </ul>   | 50 kA  |
| at 690 V by gG fuse rated value   | 50 kA  |
| Connections   |  |
| type of connectable conductor cross-sections for copper conductor   |  |
| • solid   | 1 x (4 50) mm <sup>2</sup>                     |
| finely stranded with core end processing  | 1 x (4 35) mm <sup>2</sup>                     |
| stranded     stranded   | 1 x (4 50) mm <sup>2</sup>                     |
| type of electrical connection for main current circuit  | box terminal                                   |
| Mechanical Design   | DON CONTINUE                                   |
| height  | 110 mm   |
| width   | 96 mm  |
|   | 95 mm  |
| depth fastening method  | Screw fixing and standard rail mounting 35 mm  |
| fastening method fastening method   | Ociew lixing and standard rall mounting 55 min |
| 4-hole front mounting   | No   |
| - 4-noic none modifiing   | 1 85 /   |
| • front mounting with central attachment  |  |
| front mounting with central attachment     rail mounting  | No   |
| • rail mounting   | No<br>Yes                                      |
| rail mounting     mounting position   | No<br>Yes<br>any                               |
| rail mounting     mounting position     net weight  | No<br>Yes                                      |
| rail mounting     mounting position     net weight     Environmental conditions   | No<br>Yes<br>any                               |
| rail mounting     mounting position     net weight     Environmental conditions     ambient temperature during operation  | No<br>Yes<br>any<br>475 g                      |
| <ul> <li>rail mounting</li> <li>mounting position</li> <li>net weight</li> <li>Environmental conditions</li> <li>ambient temperature during operation</li> <li>minimum</li> </ul>   | No<br>Yes<br>any<br>475 g                      |
| rail mounting     mounting position     net weight     Environmental conditions     ambient temperature during operation  | No<br>Yes<br>any<br>475 g                      |
| <ul> <li>rail mounting mounting position net weight  Environmental conditions ambient temperature during operation         <ul> <li>minimum</li> <li>maximum</li> </ul> </li> <li>ambient temperature during storage</li> </ul>   | No Yes any 475 g  -5 °C 40 °C                  |
| <ul> <li>rail mounting mounting position net weight  Environmental conditions ambient temperature during operation         <ul> <li>minimum</li> <li>maximum</li> </ul> </li> <li>ambient temperature during storage         <ul> <li>minimum</li> </ul> </li> </ul>  | No Yes any 475 g  -5 °C 40 °C  -25 °C          |
| <ul> <li>rail mounting mounting position net weight</li> <li>Environmental conditions ambient temperature during operation         <ul> <li>minimum</li> <li>maximum</li> </ul> </li> <li>ambient temperature during storage         <ul> <li>minimum</li> <li>maximum</li> </ul> </li> <li>maximum</li> <li>maximum</li> </ul> | No Yes any 475 g  -5 °C 40 °C                  |
| <ul> <li>rail mounting mounting position net weight  Environmental conditions ambient temperature during operation         <ul> <li>minimum</li> <li>maximum</li> </ul> </li> <li>ambient temperature during storage         <ul> <li>minimum</li> </ul> </li> </ul>  | No Yes any 475 g  -5 °C 40 °C  -25 °C          |



Confirmation

**Miscellaneous** 







other Environment

<u>Confirmation</u> <u>Miscellaneous</u> <u>Environmental Confirmations</u>

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3KD0343-2LG20-3

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

https://support.industry.siemens.com/cs/ww/en/ps/3KD0343-2LG20-3

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

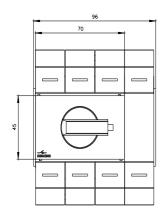
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3KD0343-2LG20-3

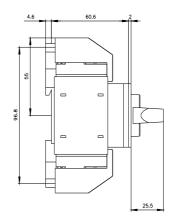
**CAx-Online-Generator** 

http://www.siemens.com/cax

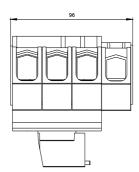
**Tender specifications** 

http://www.siemens.com/specifications









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