

SWITCH DISCONNECTOR NEW DESIGN IU=250A, UE=690V, 3-POLE BASIC VERSION WITHOUT 8UC6 HANDLE AND SHAFT



| Model                                       |                               |
|---|-------------------------------|
| product brandname                           | SENTRON                       |
| Product designation                         | Switch Disconnecter 3KA       |
| Design type                                 | For mounting and installation |
| Design of the operating mechanism           | manual operating mechanism    |
| Design of the load switch / Strip form      | No                            |
| Type of the driving mechanism / motor drive | No                            |
| Type of device                              | fixed mounting                |
| Protection against electrical shock         | finger-safe                   |
| Type of voltage                             | AC/DC                         |
| Insulation voltage / rated value            | 1 000 V                       |

| Protection class    |      |
|---------------------|------|
| Protection class IP | IP00 |

| Dissipation  |      |
|--|------|
| Power loss [W]   |      |
| <ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul> | 11 W |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>  | 33 W |

| Electricity  |                             |
|--|-----------------------------|
| Let-through current / I <sub>2t</sub> / maximum permissible / in utilization category / AC-22 B / at 400 V | 1 000 000 A <sup>2</sup> -s |
| Main circuit   |                             |
| Number of poles / for main current circuit   | 3                           |
| <b>Operating power</b>   |                             |
| • at AC-23 A / at 400 V / at 50/60 Hz / rated value  | 132 000 W                   |
| • at AC-23 A / at 500 V / at 50/60 Hz / rated value  | 132 000 W                   |
| • at AC-23 A / at 690 V / at 50/60 Hz / rated value  | 185 000 W                   |
| <b>Operating voltage</b>   |                             |
| • at AC / at 50/60 Hz / rated value  | 690 V                       |
| • at DC / rated value  | 440 V                       |
| <b>Rated current I<sub>e</sub> / maximum / in utilization category</b>                                     |                             |
| • AC-21 A / at 400 V   | 250 A                       |
| • AC-21 A / at 500 V   | 250 A                       |
| • AC-21 B / at 400 V   | 250 A                       |
| • AC-21 B / at 500 V   | 250 A                       |
| • AC-22 A / at 400 V   | 250 A                       |
| • AC-22 A / at 500 V   | 250 A                       |
| • AC-22 B / at 400 V   | 250 A                       |
| • AC-22 B / at 500 V   | 250 A                       |
| Short circuit  |                             |
| Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) / at 400 V / rated value                | 120 kA                      |
| <b>Conditional rated short-circuit current</b>   |                             |
| • 400V   | 100 kA                      |
| • 500V   | 100 kA                      |
| • in utilization category / AC-21 A / at 400 V   | 100 kA                      |
| • in utilization category / AC-21 A / at 500 V   | 100 kA                      |
| • in utilization category / AC-21 B / at 400 V   | 100 kA                      |
| • in utilization category / AC-21 B / at 500 V   | 100 kA                      |
| • in utilization category / AC-22 A / at 400 V   | 100 kA                      |
| • in utilization category / AC-22 A / at 500 V   | 100 kA                      |
| • in utilization category / AC-22 B / at 400 V   | 100 kA                      |
| • in utilization category / AC-22 B / at 500 V   | 100 kA                      |
| Connections  |                             |
| <b>Connectable conductor cross-section</b>   |                             |
| • for main contacts  |                             |
| — stranded / maximum   | 150 mm <sup>2</sup>         |
| <b>Type of connection, main circuit</b>  | Flat-type screw terminal    |
| <b>Type of electrical connection</b>   |                             |

- for main current circuit

flat connector

## Mechanical Design




|  |                |
|--|----------------|
| Height   | 160 mm         |
| Width  | 240 mm         |
| Depth  | 207 mm         |
| Type of mounting   | fixed mounted  |
| Mounting position  | any            |
| Mounting type  | floor mounting |
| Mounting type  |                |
| <ul style="list-style-type: none"> <li>• front mounting with 4-hole attachment</li> </ul>  | No             |
| <ul style="list-style-type: none"> <li>• front mounting with central attachment</li> </ul> | No             |
| <ul style="list-style-type: none"> <li>• rail mounting</li> </ul>                          | No             |

## Environmental conditions

|  |        |
|--|--------|
| Ambient temperature  |        |
| <ul style="list-style-type: none"> <li>• during operation / minimum</li> </ul> | -25 °C |
| <ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul> | 55 °C  |
| <ul style="list-style-type: none"> <li>• during storage / minimum</li> </ul>   | -50 °C |
| <ul style="list-style-type: none"> <li>• during storage / maximum</li> </ul>   | 80 °C  |

## Certificates

|  |   |
|--|---|
| Equipment marking  |   |
| <ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul> | Q |

| General Product Approval  | Declaration of Conformity   | Test Certificates                        | Shipping Approval   | other                         |
|---|---|--|---|-------------------------------|
| <br>UL | <br>EG-Konf. | <a href="#">Special Test Certificate</a> | <br>GL | <a href="#">Miscellaneous</a> |

## Further information

### 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=3KA5530-1AE01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KA5530-1AE01>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KA5530-1AE01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5530-1AE01)

### CAX-Online-Generator

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

### Tender specifications

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