

SWITCH DISCONNECTOR NEW DESIGN IU=160A, UE=690V, 3-  
POLE BASIC VERSION WITHOUT 8UC6 HANDLE AND SHAFT



Figure similar

| Model                                                                                           |                               |
|-------------------------------------------------------------------------------------------------|-------------------------------|
| product brandname                                                                               | SETRON                        |
| Product designation                                                                             | Switch Disconnecter 3KA       |
| Design type                                                                                     | For mounting and installation |
| Insulation voltage / rated value                                                                | 1 000 V                       |
| Protection class                                                                                |                               |
| Protection class IP                                                                             | IP00                          |
| Dissipation                                                                                     |                               |
| Power loss [W]                                                                                  |                               |
| • for rated value of the current / at AC / in hot operating state / per pole                    | 7.33 W                        |
| • maximum                                                                                       | 22 W                          |
| Electricity                                                                                     |                               |
| Let-through current / I2 t / maximum permissible / in utilization category / AC-22 B / at 400 V | 223 000 A²·s                  |
| Main circuit                                                                                    |                               |

|                                                                        |           |
|------------------------------------------------------------------------|-----------|
| <b>Number of poles / for main current circuit</b>                      | 3         |
| <b>Operating power</b>                                                 |           |
| • at AC-23 A / at 400 V / at 50/60 Hz / rated value                    | 80 000 W  |
| • at AC-23 A / at 500 V / at 50/60 Hz / rated value                    | 80 000 W  |
| • at AC-23 A / at 690 V / at 50/60 Hz / rated value                    | 110 000 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                                                   | 160 A     |
| • AC-21 A / at 500 V                                                   | 160 A     |
| • AC-21 B / at 400 V                                                   | 160 A     |
| • AC-21 B / at 500 V                                                   | 160 A     |
| • AC-22 A / at 400 V                                                   | 160 A     |
| • AC-22 A / at 500 V                                                   | 160 A     |
| • AC-22 B / at 400 V                                                   | 160 A     |
| • AC-22 B / at 500 V                                                   | 160 A     |

#### Short circuit

|                                                                                                  |        |
|--------------------------------------------------------------------------------------------------|--------|
| <b>Maximum short-circuit current breaking capacity (I<sub>cu</sub>) / at 400 V / rated value</b> | 120 kA |
| <b>Conditional rated short-circuit current</b>                                                   |        |
| • 400V                                                                                           | 120 kA |
| • 500V                                                                                           | 120 kA |
| • in utilization category / AC-21 A / at 400 V                                                   | 120 kA |
| • in utilization category / AC-21 A / at 500 V                                                   | 120 kA |
| • in utilization category / AC-21 B / at 400 V                                                   | 120 kA |
| • in utilization category / AC-21 B / at 500 V                                                   | 120 kA |
| • in utilization category / AC-22 A / at 400 V                                                   | 120 kA |
| • in utilization category / AC-22 A / at 500 V                                                   | 120 kA |
| • in utilization category / AC-22 B / at 400 V                                                   | 120 kA |
| • in utilization category / AC-22 B / at 500 V                                                   | 120 kA |

#### Connections

|                                             |                          |
|---------------------------------------------|--------------------------|
| <b>Connectable conductor cross-section</b>  |                          |
| • for main contacts<br>— stranded / maximum | 120 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

|               |        |
|---------------|--------|
| <b>Height</b> | 125 mm |
| <b>Width</b>  | 185 mm |

|                                          |                |
|------------------------------------------|----------------|
| Depth                                    | 143 mm         |
| Type of mounting                         | fixed mounted  |
| Mounting position                        | any            |
| Mounting type                            | floor mounting |
| Mounting type                            |                |
| • front mounting with 4-hole attachment  | No             |
| • front mounting with central attachment | No             |
| • rail mounting                          | No             |

#### Environmental conditions

##### Ambient temperature

- |                              |        |
|------------------------------|--------|
| • during operation / minimum | -25 °C |
| • during operation / maximum | 55 °C  |
| • during storage / minimum   | -50 °C |
| • during storage / maximum   | 80 °C  |

#### Certificates

##### Equipment marking

- acc. to DIN EN 61346-2

Q

| General Product Approval | Declaration of Conformity | Test Certificates | other |
|--------------------------|---------------------------|-------------------|-------|
|--------------------------|---------------------------|-------------------|-------|



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#### 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/3KA5330-1AE01>

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

<http://support.automation.siemens.com/WW/view/en/3KA5330-1AE01/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KA5330-1AE01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5330-1AE01)

##### CAX-Online-Generator

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

##### Tender specifications

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