



Similar to image

SWITCH DISCONNECTOR FUSE I=630A,  
U=690V,  
3-POLE BASIC VERSION,WITHOUT OPERATING  
MECHANISM WITH SHAFT END WITH LYRE-SHAPED  
CONTACTS

### General technical details:

|                                         |  |                                    |
|-----------------------------------------|--|------------------------------------|
| product brand name                      |  | SENTRON                            |
| product designation                     |  | Switch Disconnecter with Fuses 3KL |
| Number of poles                         |  | 3                                  |
| Installation size of fuse-link          |  | 3 and 2                            |
| Installation size of disconnecting link |  | 3 and 2                            |
| Acceptability for application           |  |                                    |
| • main switch                           |  | Yes                                |
| • switch disconnecter                   |  | Yes                                |
| • emergency stop switch                 |  | Yes                                |
| • safety cut-out switch                 |  | Yes                                |
| • maintenance/repair switch             |  | Yes                                |
| Product extension                       |  |                                    |
| • optional / motor drive                |  | No                                 |
| • optional / voltage trigger            |  | No                                 |
| Design of the operating mechanism       |  | manual operating mechanism         |
| Product equipment / interlock           |  | Yes                                |
| Type from device                        |  | fixed mounting                     |
| type of voltage                         |  | AC/DC                              |

|                                                                                     |   |             |
|-------------------------------------------------------------------------------------|---|-------------|
| <b>Continuous current / rated value</b>                                             | A | 630         |
| <b>Breaking capacity limit short-circuit current (Icu) / at 400 V / rated value</b> |   |             |
| • optional / interlock                                                              |   | Yes         |
| • auxiliary switch                                                                  |   | Yes         |
| <b>Active power loss</b>                                                            |   |             |
| • maximum                                                                           | W | 140         |
| • per conductor / typical                                                           | W | 47          |
| <b>Insulation voltage / rated value</b>                                             | V | 1,000       |
| <b>Impulse voltage resistance / rated value</b>                                     | V | 8,000       |
| <b>Item designation</b>                                                             |   |             |
| • according to DIN EN 61346-2                                                       |   | Q           |
| • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750          |   | Q           |
| <b>Fuse system</b>                                                                  |   | LV HRC fuse |

#### Main circuit:

|                                                   |   |                |
|---------------------------------------------------|---|----------------|
| <b>Design of the electrical connection</b>        |   |                |
| • for main current circuit                        |   | flat connector |
| <b>Number of poles / for main current circuit</b> |   | 3              |
| <b>Operating current</b>                          |   |                |
| • at AC-21                                        |   |                |
| • at 500 V / rated value                          | A | 630            |
| • at 690 V / rated value                          | A | 630            |
| • rated value                                     | A | 630            |
| • at AC-22 A                                      |   |                |
| • at 400 V / rated value                          | A | 630            |
| • at 500 V / rated value                          | A | 630            |
| • at 690 V / rated value                          | A | 630            |
| • at AC-23 A                                      |   |                |
| • at 400 V / rated value                          | A | 630            |
| • at 500 V / rated value                          | A | 630            |
| • at 690 V / rated value                          | A | 630            |
| • at AC-3 / at 400 V                              |   |                |
| • rated value                                     | A | 630            |
| • at DC-23 A                                      |   |                |
| • at 400 V / rated value                          | A | 630            |
| <b>Service power</b>                              |   |                |
| • at AC-23 A                                      |   |                |
| • at 400 V / at 50/60 Hz / rated value            | W | 335,000        |
| • at 500 V / at 50/60 Hz / rated value            | W | 335,000        |

|                                                               |   |         |
|---------------------------------------------------------------|---|---------|
| • at 690 V / at 50/60 Hz / rated value                        | W | 425,000 |
| <b>Operating voltage / for DC / rated value</b>               | V | 440     |
| <b>Operating voltage / at 50/60 Hz / for AC / rated value</b> | V | 690     |

| Auxiliary circuit:                                             |  |   |
|----------------------------------------------------------------|--|---|
| <b>Number of NC contacts / for auxiliary contacts</b>          |  | 0 |
| <b>Number of NO contacts / for auxiliary contacts</b>          |  | 0 |
| <b>Number of change-over switches / for auxiliary contacts</b> |  | 0 |

| Installation/mounting/dimensions:          |    |                                   |
|--------------------------------------------|----|-----------------------------------|
| <b>mounting position</b>                   |    | any                               |
| <b>Protection against electrical shock</b> |    | finger-safe                       |
| <b>Design of the load switch</b>           |    |                                   |
| • Strip form                               |    | No                                |
| <b>Type of the driving mechanism</b>       |    |                                   |
| • motor drive                              |    | No                                |
| <b>Type of mounting</b>                    |    | surface mounting and installation |
| • Rail installation                        |    | No                                |
| • front mounting with central fixation     |    | No                                |
| • front mounting with 4-hole fixation      |    | No                                |
| <b>Width</b>                               | mm | 345                               |
| <b>Height</b>                              | mm | 270                               |
| <b>Depth</b>                               | mm | 240                               |

| Ambient conditions:                |    |             |
|------------------------------------|----|-------------|
| <b>Ambient temperature</b>         |    |             |
| • during operating                 | °C | -25 ... +55 |
| • during storage                   | °C | -50 ... +80 |
| <b>Protection class IP</b>         |    | IP00        |
| <b>Verification of suitability</b> |    | CE          |

| Certificates/approvals:         |       |
|---------------------------------|-------|
| <b>General Product Approval</b> | other |



[Declaration of Conformity](#)

[Environmental Confirmations](#)

## Further information:

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

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

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**Industry Mall (Online ordering system)**

<http://www.siemens.com/lowvoltage/mall>

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

<http://support.automation.siemens.com/WW/view/en/3KL6130-1AB0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KL6130-1AB0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KL6130-1AB0)

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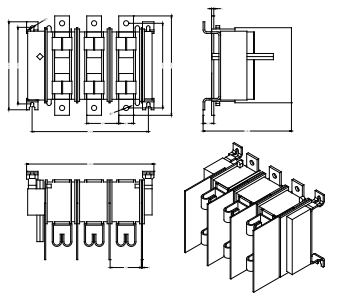
**CAX-Online-Generator**

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

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**Tender specifications**

[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)



**last change:**

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