

SWITCH DISCONNECTOR WITH FUSE IN NEW DESIGN IU=400A, UE=690V, 3-POLE FOR LV HRC FUSE SIZE 1 AND 2 WITH DOOR DRIVE 8UC7 HANDLE TI-GREY/BL.GREEN BASIC MASKING FRAME LIGHT GRAY



Figure similar

| Model                                                                                           |                                                  |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------|
| product brandname                                                                               | SETRON                                           |
| Product designation                                                                             | Switch Disconnecter with Fuses 3KL               |
| version                                                                                         | Complete version with rotary operating mechanism |
| Design type                                                                                     | For mounting and installation                    |
| Protection class                                                                                |                                                  |
| Protection class IP                                                                             | IP00                                             |
| Dissipation                                                                                     |                                                  |
| Power loss [W]                                                                                  | 86 W                                             |
| • maximum                                                                                       |                                                  |
| Electricity                                                                                     |                                                  |
| Let-through current / I2 t / maximum permissible / in utilization category / AC-22 B / at 400 V | 1 000 000 A²·s                                   |
| Main circuit                                                                                    |                                                  |
| Number of poles / for main current circuit                                                      | 3                                                |
| Operating power                                                                                 |                                                  |

|                                                                        |           |
|------------------------------------------------------------------------|-----------|
| • at AC-23 A / at 400 V / at 50/60 Hz / rated value                    | 200 000 W |
| • at AC-23 A / at 500 V / at 50/60 Hz / rated value                    | 200 000 W |
| • at AC-23 A / at 690 V / at 50/60 Hz / rated value                    | 280 000 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                                                   | 400 A     |
| • AC-21 A / at 500 V                                                   | 400 A     |
| • AC-21 B / at 400 V                                                   | 400 A     |
| • AC-21 B / at 500 V                                                   | 400 A     |
| • AC-22 A / at 400 V                                                   | 400 A     |
| • AC-22 A / at 500 V                                                   | 400 A     |
| • AC-22 B / at 400 V                                                   | 400 A     |
| • AC-22 B / at 500 V                                                   | 400 A     |

## Short circuit

|                                                |       |
|------------------------------------------------|-------|
| <b>Conditional rated short-circuit current</b> |       |
| • 400V                                         | 80 kA |
| • 500V                                         | 80 kA |
| • in utilization category / AC-21 A / at 400 V | 80 kA |
| • in utilization category / AC-21 A / at 500 V | 80 kA |
| • in utilization category / AC-21 B / at 400 V | 80 kA |
| • in utilization category / AC-21 B / at 500 V | 80 kA |
| • in utilization category / AC-22 A / at 400 V | 80 kA |
| • in utilization category / AC-22 A / at 500 V | 80 kA |
| • in utilization category / AC-22 B / at 400 V | 80 kA |
| • in utilization category / AC-22 B / at 500 V | 80 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 pad connection, M10 |
| <b>Type of electrical connection</b>        |                          |
| • for main current circuit                  | flat connector           |

## Mechanical Design

|                          |                                   |
|--------------------------|-----------------------------------|
| <b>Height</b>            | 160 mm                            |
| <b>Width</b>             | 247 mm                            |
| <b>Depth</b>             | 209 mm                            |
| <b>Type of mounting</b>  | fixed mounted                     |
| <b>Mounting position</b> | any                               |
| <b>Mounting type</b>     | Surface mounting and installation |

|                                          |    |
|------------------------------------------|----|
| <b>Mounting type</b>                     |    |
| • front mounting with 4-hole attachment  | No |
| • front mounting with central attachment | No |
| • rail mounting                          | No |

#### Environmental conditions

|                              |        |
|------------------------------|--------|
| <b>Ambient temperature</b>   |        |
| • during operation / minimum | -25 °C |
| • during operation / maximum | 55 °C  |
| • during storage / minimum   | -50 °C |
| • during storage / maximum   | 80 °C  |

#### Certificates

|                                            |    |
|--------------------------------------------|----|
| <b>Certificate of suitability</b>          | CE |
| Equipment marking / acc. to DIN EN 61346-2 | Q  |

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



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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/3KL5730-1GB01>

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

<http://support.automation.siemens.com/WW/view/en/3KL5730-1GB01/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KL5730-1GB01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KL5730-1GB01)

**CAX-Online-Generator**

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

**Tender specifications**

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

