



Figure similar

CIRCUIT BREAKER 400V 6KA, 3-POLE, C, 25A,  
D=70MM

| Model                                                                                                  |    |                                 |
|--------------------------------------------------------------------------------------------------------|----|---------------------------------|
| product brand name                                                                                     |    | SENTRON                         |
| Product designation                                                                                    |    | 5SY miniature circuit breaker   |
| Design of the product                                                                                  |    | 5SY miniature circuit breakers  |
| General technical data                                                                                 |    |                                 |
| Number of poles                                                                                        |    | 3                               |
| Number of poles / Note                                                                                 |    | 3P                              |
| Tripping characteristic class                                                                          |    | C                               |
| circuit-breaker / Design                                                                               |    | 5SY6                            |
| Mechanical service life (switching cycles) / typical                                                   |    | 20 000                          |
| Overvoltage category                                                                                   |    | 3                               |
| Voltage                                                                                                |    |                                 |
| Type of voltage                                                                                        |    | AC/DC                           |
| Insulation voltage                                                                                     |    |                                 |
| <ul style="list-style-type: none"> <li>• with multi-phase operation / with AC / Rated value</li> </ul> | V  | 440                             |
| Supply voltage                                                                                         |    |                                 |
| Supply voltage / with AC / Rated value                                                                 | V  | 400                             |
| Supply voltage frequency / Rated value                                                                 | Hz | 50                              |
| Protection class                                                                                       |    |                                 |
| Protection class IP                                                                                    |    | IP20, with connected conductors |
| Energy limiting class                                                                                  |    | 3                               |
| Switching capacity                                                                                     |    |                                 |

|                                                                                |                 |      |
|--------------------------------------------------------------------------------|-----------------|------|
| <b>Switching capacity current</b>                                              |                 |      |
| • for DC / acc. to IEC 60947-2 / Rated value                                   | kA              | 15   |
| • acc. to EN 60898 / Rated value                                               | kA              | 6    |
| • acc. to IEC 60947-2 / Rated value                                            | kA              | 15   |
| <b>Dissipation</b>                                                             |                 |      |
| <b>Active power loss</b>                                                       |                 |      |
| • for rated value of the current / with AC / in hot operating state / per pole | W               | 2.2  |
| <b>Electricity</b>                                                             |                 |      |
| rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel                        | A               | 24   |
| Current / with AC / Rated value                                                | A               | 25   |
| <b>Product details</b>                                                         |                 |      |
| Product feature / Touch protection                                             |                 | Yes  |
| <b>Product component</b>                                                       |                 |      |
| • combined terminal top                                                        |                 | Yes  |
| • combined terminal bottom                                                     |                 | Yes  |
| <b>Product property</b>                                                        |                 |      |
| • Properties for main switches in accordance with EN 60204-1                   |                 | Yes  |
| • halogen-free                                                                 |                 | Yes  |
| • sealable                                                                     |                 | Yes  |
| • silicon-free                                                                 |                 | Yes  |
| Product expansion / can be installed / supplementary devices                   |                 | Yes  |
| <b>Product function</b>                                                        |                 |      |
| Product function / neutral conductor switching                                 |                 | No   |
| <b>Short circuit</b>                                                           |                 |      |
| <b>Breaking capacity short-circuit current (I<sub>cn</sub>)</b>                |                 |      |
| • with AC / acc. to UL 1077 and CSA C22.2 No.235                               | kA              | 5    |
| • for DC / acc. to EN 60898-2                                                  | kA              | 10   |
| <b>Number</b>                                                                  |                 |      |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30     |                 | 6    |
| <b>Connections</b>                                                             |                 |      |
| <b>Connectable conductor cross-section / stranded</b>                          |                 |      |
| • minimum                                                                      | mm <sup>2</sup> | 0.75 |
| • maximum                                                                      | mm <sup>2</sup> | 35   |
| <b>Connectable conductor cross-section</b>                                     |                 |      |
| • solid                                                                        |                 |      |

|                                                                  |                 |      |
|------------------------------------------------------------------|-----------------|------|
| — minimum                                                        | mm <sup>2</sup> | 0.75 |
| — maximum                                                        | mm <sup>2</sup> | 35   |
| • finely stranded / with core end processing                     |                 |      |
| — minimum                                                        | mm <sup>2</sup> | 0.75 |
| — maximum                                                        | mm <sup>2</sup> | 25   |
| <b>AWG number / as coded connectable conductor cross section</b> |                 |      |
| • minimum                                                        |                 | 14   |
| • maximum                                                        |                 | 4    |
| <b>Tightening torque [lbf·in] / with screw-type terminals</b>    |                 |      |
| • minimum                                                        | lbf·in          | 22   |
| • maximum                                                        | lbf·in          | 26   |
| <b>Tightening torque / with screw-type terminals</b>             |                 |      |
| • minimum                                                        | N·m             | 2.5  |
| • maximum                                                        | N·m             | 3    |
| Position / of power supply cord                                  |                 | Any  |

#### Mechanical Design

|                       |    |                       |
|-----------------------|----|-----------------------|
| Height                | mm | 90                    |
| Width                 | mm | 54                    |
| Depth                 | mm | 76                    |
| mounting position     |    | any                   |
| Installation depth    | mm | 70                    |
| Number of width units |    | 3                     |
| Mounting type         |    | Quick assembly system |
| Net weight            | g  | 464                   |

#### Environmental conditions

|                                              |    |                                                                         |
|----------------------------------------------|----|-------------------------------------------------------------------------|
| Influence of the surrounding temperature     |    | Max. 95% humidity                                                       |
| Shock resistance / acc. to IEC 60068-2-27    |    | 150m/s <sup>2</sup> at 11ms half-sine                                   |
| Vibration resistance / acc. to IEC 60068-2-6 |    | 50m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec) |
| <b>Ambient temperature</b>                   |    |                                                                         |
| • minimum                                    | °C | -25                                                                     |
| • maximum                                    | °C | 55                                                                      |
| • during storage / minimum                   | °C | -40                                                                     |
| • during storage / maximum                   | °C | 75                                                                      |

#### Certificates

|                                            |  |   |
|--------------------------------------------|--|---|
| Equipment marking / acc. to DIN EN 61346-2 |  | F |
|--------------------------------------------|--|---|

## General Product Approval



CCC



IMQ



GOST



UL



VDE

[other](#)

## General Product Approval

## Declaration of Conformity

## Test Certificates

## Shipping Approval



[KTL](#)



EG-Konf.

[other](#)



BUREAU  
VERITAS



DNV

## Shipping Approval

## other



GL



LRS



RINA

[other](#)

## 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/5SY63257>

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

<http://support.automation.siemens.com/WW/view/en/5SY63257/all>

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

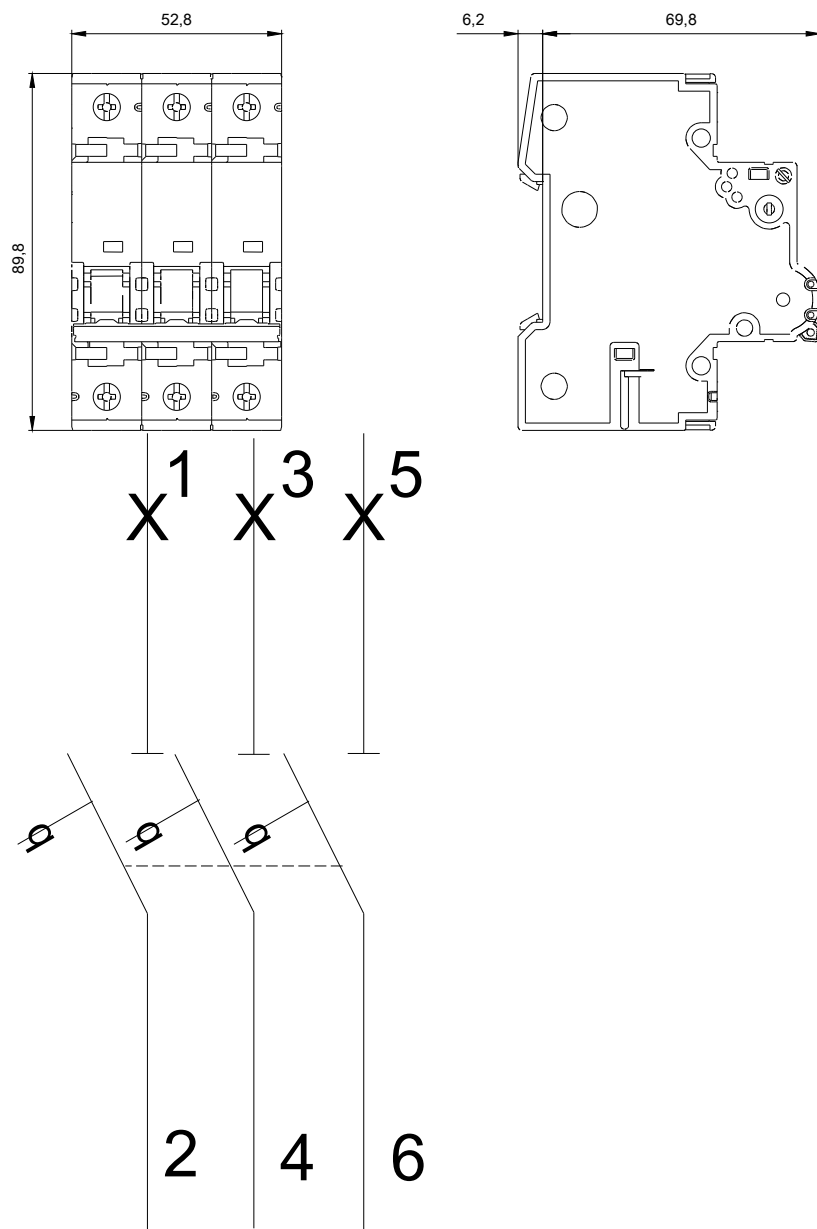
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY63257](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY63257)

### CAX-Online-Generator

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

### Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



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