

Device circuit breaker 1-pole with auxiliary switch NO contact  
Characteristic F2 4A 230 V AC 50/60 Hz 60 V DC Icn 3 kA AC  
according to IEC 60934



| Model                                                |                          |
|------------------------------------------------------|--------------------------|
| Product brand name                                   | SENTRON                  |
| Product designation                                  | Device protection switch |
| General technical data                               |                          |
| Number of poles                                      | 1                        |
| Tripping characteristic class                        | F2                       |
| Mechanical service life (switching cycles) / typical | 6 000                    |
| Overvoltage category                                 | III                      |
| Degree of pollution                                  | 2                        |
| Supply voltage                                       |                          |
| Type of voltage                                      | AC/DC                    |
| Current / at AC / rated value                        | 4 A                      |
| Supply voltage                                       |                          |
| • at AC / rated value                                | 230 V                    |
| • at DC / rated value                                | 60 V                     |
| Operating voltage                                    |                          |
| • at DC / rated value / maximum                      | 72 V                     |
| Supply voltage frequency                             |                          |

|                                                                                             |                     |
|---------------------------------------------------------------------------------------------|---------------------|
| • rated value                                                                               | 50/60 Hz            |
| <b>Protection class</b>                                                                     |                     |
| Protection class IP                                                                         | IP20                |
| <b>Dissipation</b>                                                                          |                     |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 1.49 W              |
| <b>Current</b>                                                                              |                     |
| Tripping residual / rated value / derated current / at 40 Cel                               | 3.67 A              |
| <b>Product details</b>                                                                      |                     |
| Product function / neutral conductor switching                                              | No                  |
| Product feature / Touch protection                                                          | Yes                 |
| Product component                                                                           |                     |
| • combined terminal top                                                                     | No                  |
| • combined terminal bottom                                                                  | No                  |
| Product feature                                                                             |                     |
| • Properties for main switches in accordance with EN 60204-1                                | Yes                 |
| • halogen-free                                                                              | Yes                 |
| • sealable                                                                                  | Yes                 |
| • silicon-free                                                                              | Yes                 |
| <b>Connections</b>                                                                          |                     |
| Connectable conductor cross-section / solid                                                 |                     |
| • minimum                                                                                   | 0.5 mm <sup>2</sup> |
| • maximum                                                                                   | 16 mm <sup>2</sup>  |
| Connectable conductor cross-section / stranded                                              |                     |
| • minimum                                                                                   | 0.5 mm <sup>2</sup> |
| • maximum                                                                                   | 16 mm <sup>2</sup>  |
| Connectable conductor cross-section / finely stranded / with core end processing            |                     |
| • minimum                                                                                   | 0.5 mm <sup>2</sup> |
| • maximum                                                                                   | 10 mm <sup>2</sup>  |
| AWG number / as coded connectable conductor cross section                                   |                     |
| • minimum                                                                                   | 20                  |
| • maximum                                                                                   | 6                   |
| Tightening torque [lbf·in] / with screw-type terminals                                      |                     |
| • minimum                                                                                   | 17.7 lbf·in         |
| Tightening torque / with screw-type terminals                                               |                     |
| • minimum                                                                                   | 2 N·m               |
| • maximum                                                                                   | 2.5 N·m             |

|                                 |     |
|---------------------------------|-----|
| Position / of power supply cord | Any |
|---------------------------------|-----|

## Mechanical Design

|                       |               |
|-----------------------|---------------|
| Height                | 90 mm         |
| Width                 | 18 mm         |
| Depth                 | 76 mm         |
| Installation depth    | 70 mm         |
| Number of width units | 1             |
| Mounting type         | standard rail |
| Net weight            | 108.2 g       |

## Environmental conditions

|                                                                            |        |
|----------------------------------------------------------------------------|--------|
| Ambient temperature                                                        |        |
| • minimum                                                                  | -25 °C |
| • maximum                                                                  | 60 °C  |
| Ambient temperature / during storage                                       |        |
| • minimum                                                                  | -40 °C |
| • maximum                                                                  | 70 °C  |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 | 6      |

## Certificates

|                          |   |
|--------------------------|---|
| Reference code           |   |
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

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



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[Miscellaneous](#)



EG-Konf.

[Miscellaneous](#)

## Further information

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

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

**Industry Mall (Online ordering system)**

<http://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SY1704-4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY1704-4>

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

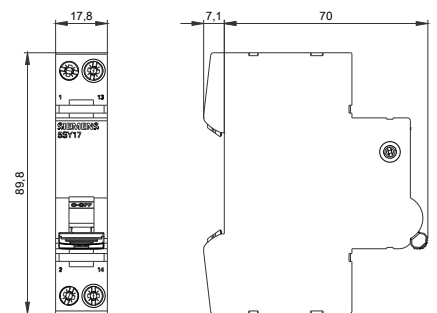
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY1704-4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY1704-4)

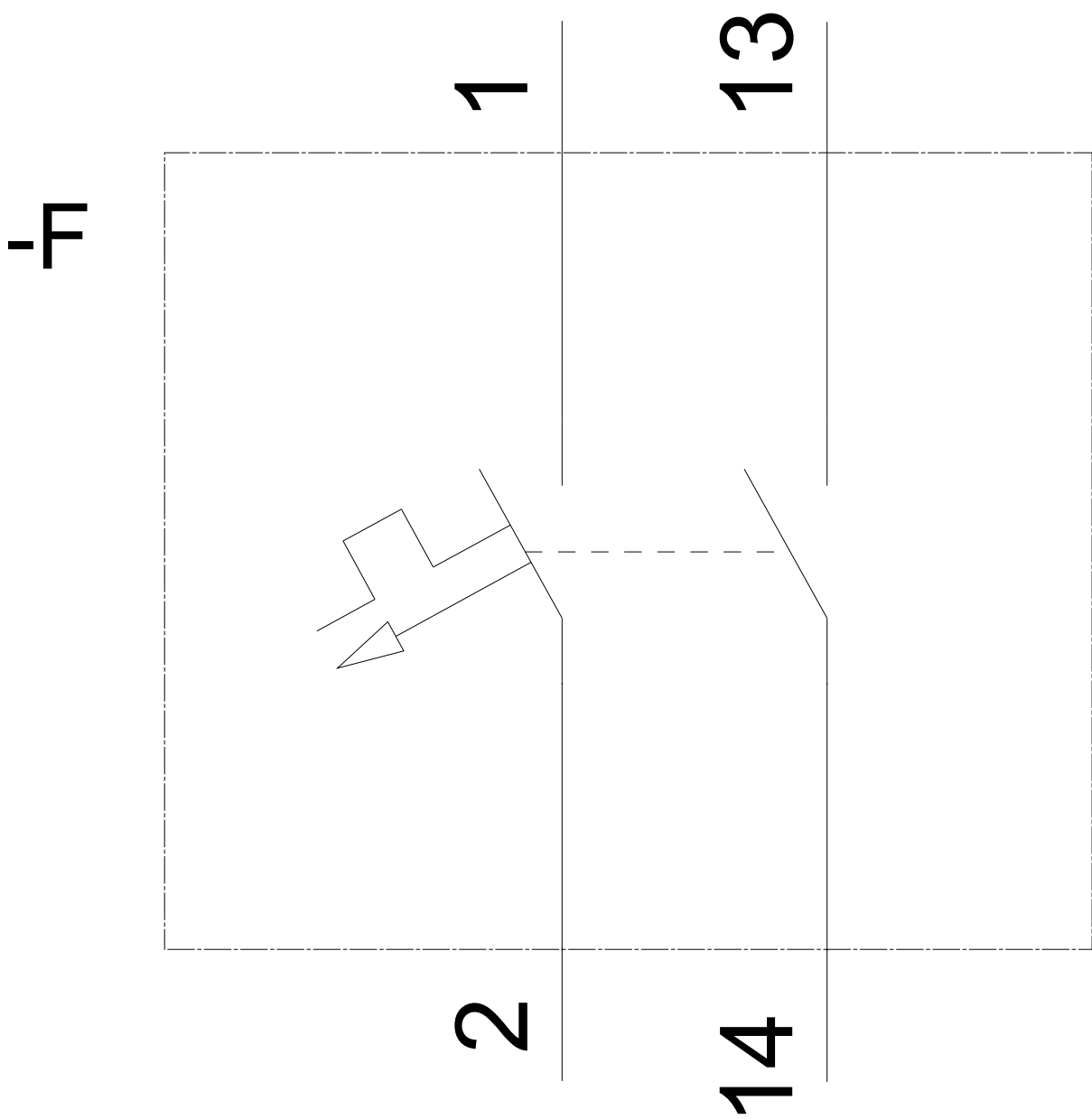
**CAX-Online-Generator**

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

**Tender specifications**

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





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