



Figure similar

Miniature circuit breaker 400 V 6kA, 2-pole, B, 20 A, D=70 mm with screwless outgoing terminals

| Model                                                                               |                                      |
|-------------------------------------------------------------------------------------|--------------------------------------|
| product brand name                                                                  | SENTRON                              |
| product designation                                                                 | Miniature circuit breaker            |
| design of the product                                                               | Miniature circuit breaker 5SJ6       |
| General technical data                                                              |                                      |
| number of poles                                                                     | 2                                    |
| design of pole                                                                      | 2P                                   |
| tripping characteristic class                                                       | B                                    |
| mechanical service life (operating cycles) typical                                  | 20 000                               |
| overvoltage category                                                                | 3                                    |
| degree of pollution                                                                 | 2                                    |
| Voltage                                                                             |                                      |
| insulation voltage (Ui) at AC rated value                                           | 440 V                                |
| operational current                                                                 |                                      |
| • at AC rated value                                                                 | 20 A                                 |
| Supply voltage                                                                      |                                      |
| supply voltage                                                                      |                                      |
| • at AC                                                                             | 400 V                                |
| • at DC rated value                                                                 | 60 V                                 |
| operating voltage                                                                   |                                      |
| • with multi-phase operation at AC maximum                                          | 440 V                                |
| • at DC rated value maximum                                                         | 60 V                                 |
| supply voltage frequency rated value                                                | 50 Hz                                |
| Protection class                                                                    |                                      |
| protection class IP                                                                 | IP20, with connected conductors      |
| Breaking Capacity                                                                   |                                      |
| switching capacity current                                                          |                                      |
| • according to EN 60898 rated value                                                 | 6 kA                                 |
| • according to IEC 60947-2 rated value                                              | 6 kA                                 |
| energy limitation class                                                             | 3                                    |
| Dissipation                                                                         |                                      |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 2.2 W                                |
| suitability for operation                                                           | Residential buildings/infrastructure |
| Product details                                                                     |                                      |
| product feature touch protection                                                    | Yes                                  |
| product component neutral conductor switching                                       | No                                   |
| product feature                                                                     |                                      |
| • halogen-free                                                                      | Yes                                  |

|                                                     |     |
|-----------------------------------------------------|-----|
| • sealable                                          | Yes |
| • silicon-free                                      | Yes |
| product extension installable supplementary devices | No  |

#### Connections

|                                                                                                                               |                      |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>connectable conductor cross-section on plug-type connection using the upper clamping point without core end processing</b> |                      |
| • minimum                                                                                                                     | 1.5 mm <sup>2</sup>  |
| • maximum                                                                                                                     | 4 mm <sup>2</sup>    |
| <b>connectable conductor cross-section solid</b>                                                                              |                      |
| • minimum                                                                                                                     | 0.75 mm <sup>2</sup> |
| • maximum                                                                                                                     | 25 mm <sup>2</sup>   |
| <b>connectable conductor cross-section stranded</b>                                                                           |                      |
| • minimum                                                                                                                     | 0.75 mm <sup>2</sup> |
| • maximum                                                                                                                     | 25 mm <sup>2</sup>   |
| <b>connectable conductor cross-section finely stranded with core end processing</b>                                           |                      |
| • minimum                                                                                                                     | 1.5 mm <sup>2</sup>  |
| • maximum                                                                                                                     | 2.5 mm <sup>2</sup>  |

#### Mechanical Design

|                               |       |
|-------------------------------|-------|
| height                        | 90 mm |
| width                         | 36 mm |
| depth                         | 76 mm |
| installation depth            | 70 mm |
| number of modular width units | 2     |
| mounting position             | any   |
| net weight                    | 243 g |

#### Environmental conditions

|                                             |                                       |
|---------------------------------------------|---------------------------------------|
| influence of the surrounding temperature    | Periodically +55°C, max. 95% humidity |
| <b>ambient temperature during operation</b> |                                       |
| • minimum                                   | -25 °C                                |
| • maximum                                   | 45 °C                                 |
| <b>ambient temperature during storage</b>   |                                       |
| • minimum                                   | -40 °C                                |
| • maximum                                   | 75 °C                                 |

#### Approvals Certificates

|                          |       |
|--------------------------|-------|
| General Product Approval | other |
|--------------------------|-------|



[Confirmation](#)



[Miscellaneous](#)

|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|

[Confirmation](#)

[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ6220-6KS>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SJ6220-6KS>

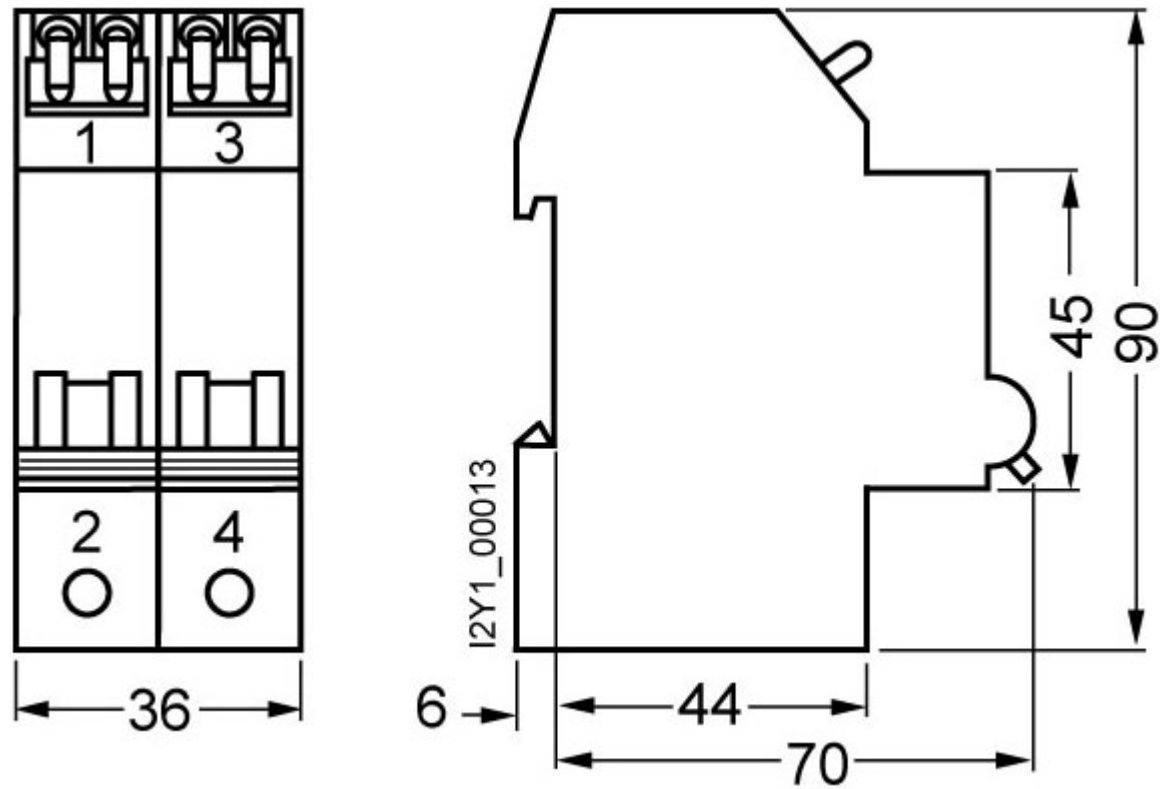
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SJ6220-6KS](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ6220-6KS)

CAX-Online-Generator

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

Tender specifications



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