

CIRCUIT BREAKER 400V 4.5KA, 2POLE, C, 10A



| Model  |                                |
|--|--------------------------------|
| Product brand name   | SENTRON                        |
| Product designation  | Miniature circuit breaker      |
| Design of the product  | 5SL miniature circuit breakers |
| General technical data   |                                |
| Number of poles  | 2                              |
| Number of poles / Note   | 2P                             |
| Tripping characteristic class  | C                              |
| circuit-breaker / Design   | 5SL3                           |
| Mechanical service life (switching cycles) / typical   | 10 000                         |
| Overvoltage category   | 3                              |
| Voltage  |                                |
| Type of voltage  | AC                             |
| Insulation voltage   | 440 V                          |
| <ul style="list-style-type: none"> <li>with multi-phase operation / at AC / rated value</li> </ul> | 440 V                          |
| Supply voltage   |                                |
| Supply voltage / at AC / rated value   | 400 V                          |
| Supply voltage frequency / rated value   | 50 Hz                          |

| Protection class  |                                      |
|---|--------------------------------------|
| <b>Protection class IP</b>  | IP20, with connected conductors      |
| <b>Energy limiting class</b>  | 3                                    |
| Switching capacity  |                                      |
| <b>Switching capacity current</b>   |                                      |
| • acc. to EN 60898 / rated value  | 4.5 kA                               |
| • acc. to IEC 60947-2 / rated value   | 4.5 kA                               |
| Dissipation   |                                      |
| <b>Power loss [W]</b>   |                                      |
| • for rated value of the current / at AC / in hot operating state / per pole      | 1.3 W                                |
| • maximum   | 2.6 W                                |
| Electricity   |                                      |
| rated current $I_n$ / IEC, DIN/VDE / at 40 Cel                                    | 9.39336 A                            |
| Current / at AC / rated value   | 10 A                                 |
| Main circuit  |                                      |
| <b>Operating voltage</b>  |                                      |
| • minimum   | 24 V                                 |
| • at DC / rated value / maximum   | 60 V                                 |
| • with multi-phase operation / at AC / maximum                                    | 440 V                                |
| <b>Suitability for operation</b>  | Residential buildings/infrastructure |
| Product details   |                                      |
| Product feature / Touch protection  | Yes                                  |
| <b>Product feature</b>  |                                      |
| • halogen-free  | Yes                                  |
| • sealable  | Yes                                  |
| • silicon-free  | Yes                                  |
| Product extension / can be installed / supplementary devices                      | Yes                                  |
| Product function  |                                      |
| Product function / neutral conductor switching                                    | No                                   |
| Number  |                                      |
| <b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b> | 6                                    |
| Connections   |                                      |
| <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</b>  |                                      |

- solid
  - minimum 0.75 mm<sup>2</sup>
  - maximum 25 mm<sup>2</sup>
- finely stranded / with core end processing
  - minimum 0.75 mm<sup>2</sup>
  - maximum 25 mm<sup>2</sup>

|  |         |
|--|---------|
| <b>Tightening torque / with screw-type terminals</b> |         |
| • minimum  | 2.5 N·m |
| • maximum  | 3 N·m   |

### Mechanical Design





|                       |       |
|-----------------------|-------|
| Height                | 90 mm |
| Width                 | 36 mm |
| Depth                 | 76 mm |
| Mounting position     | any   |
| Installation depth    | 70 mm |
| Number of width units | 2     |
| Net weight            | 230 g |

### Environmental conditions

|  |                                       |
|--|---------------------------------------|
| Degree of pollution  | 2                                     |
| Influence of the surrounding temperature   | Periodically +55°C, max. 95% humidity |
| Ambient temperature <ul style="list-style-type: none"> <li>• minimum -25 °C</li> <li>• maximum 45 °C</li> <li>• during storage / minimum -40 °C</li> <li>• during storage / maximum 75 °C</li> </ul> |                                       |

### Certificates

|                          |   |
|--------------------------|---|
| <b>Equipment marking</b> |   |
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

| General Product Approval   |  |  | Declaration of Conformity  | Test Certificates             |
|--|--|--|--|-------------------------------|
| <br>CEBEC | <br>IMQ | <br>VDE | <a href="#">TSE</a><br><br><br>EG-Konf. | <a href="#">Miscellaneous</a> |

### Further information

- 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=5SL3210-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL3210-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL3210-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL3210-7)

**CAX-Online-Generator**

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

**Tender specifications**

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

