



Miniature circuit breaker 415 V 10kA, 3-pole, C, 50 A

| Model   |  |
|---|--|
| product brand name  | SENTRON  |
| product designation   | Miniature circuit breaker  |
| General technical data  |  |
| number of poles   | 3  |
| design of pole  | 3P   |
| tripping characteristic class   | C  |
| mechanical service life (operating cycles)  |  |
| • at AC typical   | 10 000   |
| overvoltage category  | III  |
| degree of pollution   | 2  |
| Voltage   |  |
| type of voltage of the operating voltage  | AC   |
| type of voltage   | Use only in alternating current or direct current circuits. Mixed use is not permitted.                    |
| <b>insulation voltage (Ui)</b>  |  |
| • with single-phase operation at AC rated value                                     | 250 V  |
| • with multi-phase operation at AC rated value                                      | 440 V  |
| operational current   |  |
| • at 30 °C rated value  | 50 A   |
| • at AC rated value   | 50 A   |
| Supply voltage  |  |
| supply voltage at AC  | 415 V  |
| value range of the supply voltage frequency   | 50/60 Hz   |
| operating voltage   |  |
| • with multi-phase operation at AC maximum  | 440 V  |
| • at DC rated value maximum   | 62.5 V   |
| •   | The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V |
| Protection class  |  |
| protection class IP   | IP20, with connected conductors  |
| Breaking Capacity   |  |
| switching capacity current  |  |
| • according to EN 60898 rated value   | 10 kA  |
| energy limitation class   | 3  |
| Dissipation   |  |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 4.5 W  |
| suitability for operation   | Residential buildings/infrastructure   |
| Product details   |  |
| product feature touch protection  | Yes  |

|   |     |
|---|-----|
| product component neutral conductor switching       | No  |
| <b>product feature</b>                              |     |
| • halogen-free                                      | Yes |
| • sealable  | Yes |
| • silicon-free                                      | Yes |
| product extension installable supplementary devices | Yes |

#### Connections

|  |                      |
|--|----------------------|
| connectable conductor cross-section solid                                    |                      |
| • minimum  | 0.75 mm <sup>2</sup> |
| • maximum  | 25 mm <sup>2</sup>   |
| connectable conductor cross-section stranded                                 |                      |
| • minimum  | 0.75 mm <sup>2</sup> |
| • maximum  | 25 mm <sup>2</sup>   |
| connectable conductor cross-section finely stranded with core end processing |                      |
| • minimum  | 0.75 mm <sup>2</sup> |
| • maximum  | 25 mm <sup>2</sup>   |
| tightening torque with screw-type terminals                                  |                      |
| • minimum  | 2.5 N·m              |
| • maximum  | 3 N·m                |

#### Mechanical Design

|                               |       |
|-------------------------------|-------|
| height                        | 90 mm |
| width                         | 54 mm |
| depth                         | 76 mm |
| installation depth            | 70 mm |
| number of modular width units | 1     |
| mounting position             | any   |
| net weight                    | 465 g |

#### Environmental conditions

|   |        |
|---|--------|
| vibration resistance according to IEC 60068-2-6 | no     |
| ambient temperature during operation            |        |
| • minimum                                       | -25 °C |
| • maximum                                       | 55 °C  |
| ambient temperature during storage              |        |
| • minimum                                       | -40 °C |
| • maximum                                       | 75 °C  |

#### Approvals Certificates

|                          |                   |       |
|--------------------------|-------------------|-------|
| General Product Approval | Test Certificates | other |
|--------------------------|-------------------|-------|



[Confirmation](#)



[Miscellaneous](#)

[Miscellaneous](#)

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

[Confirmation](#)

[Environmental Con-  
firmations](#)

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firmations](#)

#### 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=5SL4350-7RC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4350-7RC>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4350-7RC](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4350-7RC)

##### CAX-Online-Generator





