

Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 1 A



| Model   |                                |
|---|--------------------------------|
| Product brand name  | SENTRON                        |
| Product designation   | Miniature circuit breaker      |
| Design of the product   | 5SL miniature circuit breakers |
| General technical data  |                                |
| Number of poles   | 1                              |
| Number of poles / Note  | 1P                             |
| Tripping characteristic class   | C                              |
| circuit-breaker / Design  | 5SL6                           |
| Mechanical service life (switching cycles) / typical  | 10 000                         |
| Overvoltage category  | 3                              |
| Voltage   |                                |
| Insulation voltage  |                                |
| <ul style="list-style-type: none"> <li>with single-phase operation / at AC / rated value</li> </ul> | 250 V                          |
| <ul style="list-style-type: none"> <li>with multi-phase operation / at AC / rated value</li> </ul>  | 440 V                          |
| Supply voltage  |                                |
| Type of voltage   | AC                             |

|  |       |
|--|-------|
| Current / at AC / rated value                  | 1 A   |
| Supply voltage / at AC / rated value           | 400 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 |

|                         |                                 |
|-------------------------|---------------------------------|
| <b>Protection class</b> |                                 |
| Protection class IP     | IP20, with connected conductors |

|                                     |      |
|-------------------------------------|------|
| <b>Switching capacity</b>           |      |
| Switching capacity current          |      |
| • acc. to EN 60898 / rated value    | 6 kA |
| • acc. to IEC 60947-2 / rated value | 6 kA |
| Energy limiting class               | 3    |

|   |       |
|---|-------|
| <b>Dissipation</b>  |       |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 1.2 W |

|   |                                      |
|---|--------------------------------------|
| <b>Current</b>  |                                      |
| Tripping residual / rated value / derated current / at 40 Cel | 0.95 A                               |
| Suitability for operation                                     | Residential buildings/infrastructure |

|  |     |
|--|-----|
| <b>Product details</b>                                       |     |
| Product function / neutral conductor switching               | No  |
| Product feature / Touch protection                           | Yes |
| Product feature  |     |
| • halogen-free   | Yes |
| • sealable   | Yes |
| • silicon-free   | Yes |
| Product extension / can be installed / supplementary devices | Yes |

|  |                             |
|--|-----------------------------|
| <b>Connections</b>   |                             |
| • Connectable conductor cross-section  |                             |
| — solid  | 0.75 ... 25 mm <sup>2</sup> |
| — stranded   | 0.75 ... 25 mm <sup>2</sup> |
| • Connectable conductor cross-section / finely stranded / with core end processing | 0.75 ... 25 mm <sup>2</sup> |
| Tightening torque / with screw-type terminals                                      | 2.5 ... 3 N·m               |

|                          |       |
|--------------------------|-------|
| <b>Mechanical Design</b> |       |
| Height                   | 90 mm |
| Width                    | 18 mm |





