

Main miniature circuit breaker (SHU), selective, 3x 1-pole, 80 A Pre-assembled on SHU adapter 5ST1324 and 3 enclosed locking caps 5ST1323



Model	
product brand name	SENTRON
Product designation	Miniature circuit breaker
Design of the product	Main miniature circuit breaker
General technical data	
number of poles	3
Number of poles / Note	3P
Tripping characteristic class	E
circuit-breaker / Design	5SP3
Mechanical service life (switching cycles) / typical	20 000
overvoltage category	IV
Degree of pollution	3
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Supply voltage	
Operating current / at AC / rated value	80 A
Supply voltage / at AC / rated value	400 V

Operating voltage / rated value	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>110 V</p> <p>440 V</p>
Supply voltage frequency / rated value	50 Hz

Protection class	
Protection class IP	IP20, with connected conductors

Switching capacity	
Switching capacity current	
<ul style="list-style-type: none"> <li>• rated value</li> <li>• acc. to EN 60898 / rated value</li> </ul>	<p>25 kA</p> <p>25 kA</p>

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	13.5 W
Suitability for operation	Residential buildings/infrastructure

Product details	
Product component	
<ul style="list-style-type: none"> <li>• saddle terminals</li> </ul>	Yes
Product feature	
<ul style="list-style-type: none"> <li>• Properties for main switches in accordance with EN 60204-1</li> <li>• sealable</li> </ul>	<p>Yes</p> <p>Yes</p>

Display and operation	
Display version / for switch position indicator	OFF = green, ON = red

Connections	
connectable conductor cross-section / solid	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>2.5 mm<sup>2</sup></p> <p>50 mm<sup>2</sup></p>
Connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>2.5 mm<sup>2</sup></p> <p>70 mm<sup>2</sup></p>
connectable conductor cross-section / finely stranded / with core end processing	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>2.5 mm<sup>2</sup></p> <p>50 mm<sup>2</sup></p>
Position / of power supply cord	Any

Mechanical Design	
depth / of the enclosure	92 mm
number of width units	6
Mounting type	standard rail

Mounting type / other installation / Note	With accessories on 35 mm standard mounting rail or busbar or screw fixing
net weight	1 785 g

### Environmental conditions

Shock resistance	30 g, at least 3 impacts, impact duration 11 ms
Vibration resistance / acc. to IEC 60068-2-6	2 g, 20 frequency cycles 5 to 150 to 15 Hz
Ambient temperature	
• minimum	-25 °C
• maximum	55 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	70 °C

### Certificates

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

### 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=5SP3780-1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SP3780-1>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP3780-1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3780-1)

#### CAX-Online-Generator

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

#### Tender specifications

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

