



MAIN CONDUCTOR CIRCUIT-BREAKER (SHU), 3X1-POLE, E 20 A, 230/400 V FOR MOUNTING ONTO 40MM BUSBAR

Figure similar

Model		
product brand name		SENTRON
<b>Design of the product</b>		Main miniature circuit breakers
<b>Design of the locking device</b>		Locking slide with lock, additional wire seal, cable ties and Antilux
General technical data		
<b>Number of poles</b>		3
<b>Number of poles / Note</b>		3P
<b>Tripping characteristic class</b>		E
<b>circuit-breaker / Design</b>		5SP3
<b>Mechanical service life (switching cycles) / typical</b>		20 000
<b>Overvoltage category</b>		IV
Voltage		
Insulation voltage / Rated value	V	690
Surge voltage resistance / Rated value	kV	6
Supply voltage		
Supply voltage frequency / Rated value	Hz	50
Protection class		
<b>Protection class IP</b>		IP40, with connected conductors
Switching capacity		
<b>Switching capacity current</b>		
• Rated value	kA	25
• acc. to EN 60898 / Rated value	kA	25

Dissipation		
<b>Active power loss</b>		
<ul style="list-style-type: none"> <li>• for rated value of the current / with AC / in hot operating state / per pole</li> </ul>	W	6.5
Electricity		
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	A	19
Current / with AC / Rated value	A	20
Main circuit		
<b>Operating voltage / Rated value</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	V	110
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	V	440
Product details		
<b>Product component</b>		
<ul style="list-style-type: none"> <li>• outgoing feeder via spring-loaded terminal</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• Infeed at box terminal</li> </ul>		Yes
<b>Product property</b>		
<ul style="list-style-type: none"> <li>• Properties for main switches in accordance with EN 60204-1</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• sealable</li> </ul>		Yes
Product function		
Product function / neutral conductor switching		No
Display and operation		
Display version / for switch position indicator		OFF = green, ON = red
Connections		
<b>Connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• of spring-loaded terminal / finely stranded / with core end processing</li> </ul>		
— minimum	mm <sup>2</sup>	2.5
— maximum	mm <sup>2</sup>	16
<ul style="list-style-type: none"> <li>• of the box terminal</li> </ul>		
— solid / minimum	mm <sup>2</sup>	2.5
— solid / maximum	mm <sup>2</sup>	50
— stranded / minimum	mm <sup>2</sup>	2.5
— stranded / maximum	mm <sup>2</sup>	50
Position / of power supply cord		Stipulated by installation in the lower section of the meter panel
Mechanical Design		
<b>Number of width units</b>		4.5
<b>Mounting type</b>		Busbar

Mounting type / other installation / Note	On 40-mm busbar system in compliance with DIN 43870 Part 2
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### Environmental conditions

<b>Shock resistance</b>		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
<b>Ambient temperature</b>		
• minimum	°C	-25
• maximum	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	70

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>other</b>
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[other](#)

### Further information

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

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

**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SP38202>

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

<http://support.automation.siemens.com/WW/view/en/5SP38202/all>

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

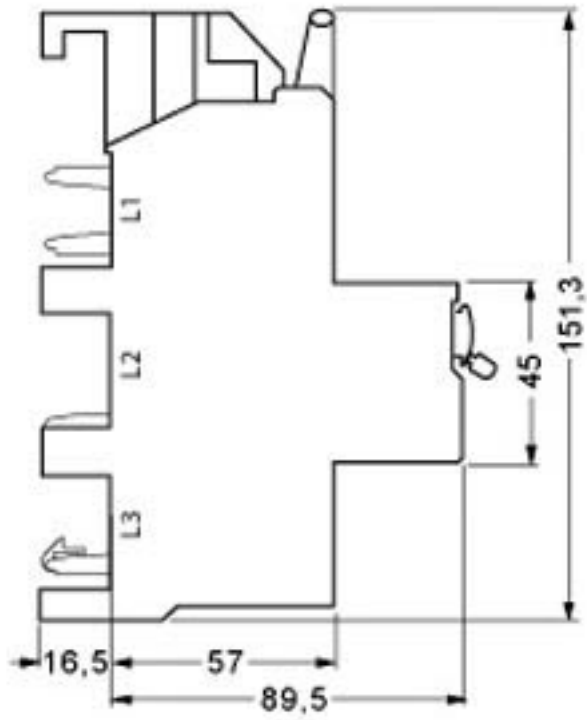
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SP38202](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SP38202)

**CAX-Online-Generator**

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

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>



X<sup>1</sup>

X<sup>3</sup>

X<sup>5</sup>

p

p

p

S

S

S

2

4

6

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