



Main miniature circuit breaker (SHU), 1-pole, E 20, 230/400 V

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
design of the product	Main miniature circuit breaker
design of the locking device	Integrated locking slide, lockable by means of a lock, wire seal and cable ties
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	E
mechanical service life (operating cycles) typical	20 000
overvoltage category	IV
degree of pollution	3
Voltage	
insulation voltage (U _i) rated value	690 V
surge voltage resistance rated value	6 kV
Supply voltage	
supply voltage at AC rated value	230 V
operating voltage rated value	
• minimum	110 V
• maximum	440 V
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP40, with connected conductors
Switching capacity	
switching capacity current	
• rated value	25 kA
• according to EN 60898 rated value	25 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	6 W
suitability for operation	Residential buildings/infrastructure
Product details	
product component	
• infeed at box terminal	Yes
• saddle terminals	Yes
product feature	
• properties for main switches in accordance with EN 60204-1	Yes
• sealable	Yes

Display and operation

display version for switch position indicator OFF = green, ON = red

Connections

connectable conductor cross-section of the box terminal	
• solid minimum	2.5 mm ²
• solid maximum	50 mm ²
• stranded minimum	2.5 mm ²
• stranded maximum	50 mm ²
connectable conductor cross-section solid	
• minimum	2.5 mm ²
• maximum	50 mm ²
connectable conductor cross-section stranded	
• minimum	2.5 mm ²
• maximum	50 mm ²
connectable conductor cross-section finely stranded with core end processing	
• minimum	2.5 mm ²
• maximum	50 mm ²
position of power supply cord	Any

Mechanical Design

height	128 mm
depth	76.3 mm
depth of the enclosure	76.3 mm
number of modular width units	1.5
fastening method	DIN rail
fastening method other	on DIN rail 35 mm acc. to EN 60715
net weight	350 g

Environmental conditions

shock resistance	30 g, at least 3 impacts, impact duration 11 ms
vibration resistance according to IEC 60068-2-6	2 g, 20 frequency cycles 5 to 150 to 15 Hz
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	70 °C

General Product Approval

Declaration of Conformity

other

[Confirmation](#)



[Confirmation](#)

other

Environment

[Miscellaneous](#)

[Environmental Confirmations](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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?mfb=5SP3720-3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SP3720-3>

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

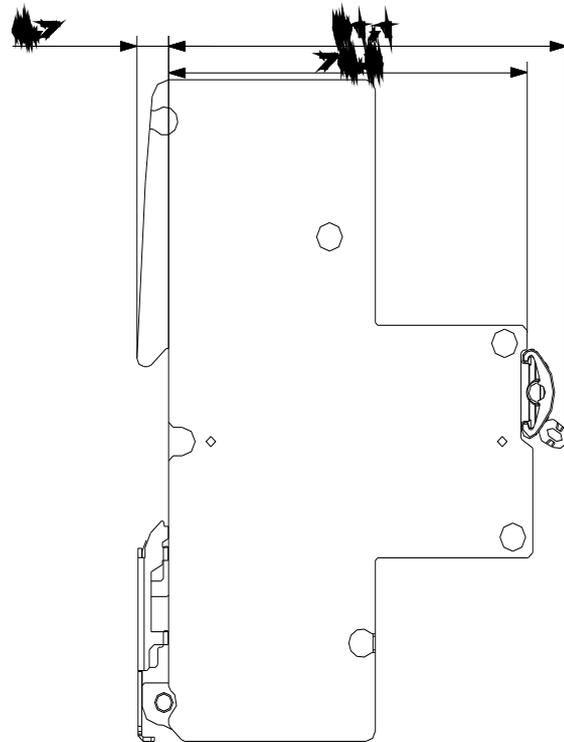
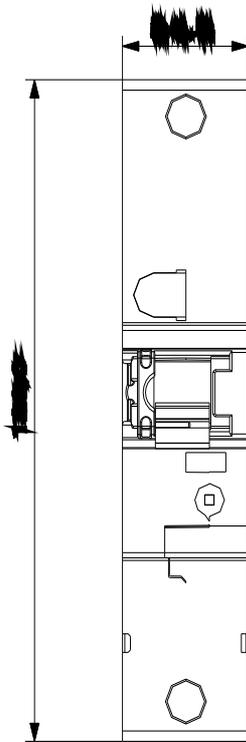
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3720-3

CAX-Online-Generator

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

Tender specifications

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





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