



Main miniature circuit breaker (SHU), 3x 1-pole, E 63, 400V

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	3
design of pole	3P
tripping characteristic class	E
mechanical service life (operating cycles) typical	20 000
overvoltage category	4
degree of pollution	3
Voltage	
insulation voltage (Ui) rated value	690 V
surge voltage resistance rated value	6 kV
supply voltage with single-phase operation at AC rated value	230 V
- operational current — at 30 °C rated value — at 40 °C rated value — at 50 °C rated value — at 55 °C rated value - operational current at AC rated value	63 A 59.85 A 56.7 A 55.125 A 63 A
Supply voltage	
supply voltage at AC	400 V
operating voltage rated value • minimum • maximum	110 V 440 V
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP40, with connected conductors
Breaking Capacity	
switching capacity current • rated value • according to EN 60898 rated value	25 kA 25 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	9.7 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	
product feature 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 mm²	
• solid maximum		50 mm²	
• stranded minimum		2.5 mm²	
• stranded maximum		50 mm²	
connectable conductor cross-section solid			
• minimum		2.5 mm²	
• maximum		50 mm²	
connectable conductor cross-section stranded			
• minimum		2.5 mm²	
• maximum		50 mm²	
connectable conductor cross-section finely stranded with core end processing			
• minimum		2.5 mm²	
• maximum		50 mm²	
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		4.5	
fastening method		DIN rail	
fastening method other		on DIN rail 35 mm acc. to EN 60715	
Net Weight		1.113 kg	
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	
Approvals Certificates			
Environment		General Product Approval	
Environmental Confirmations		Environmental Confirmations	
			
			
			
other			

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SP3863-3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SP3863-3>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3863-3

CAX-Online-Generator

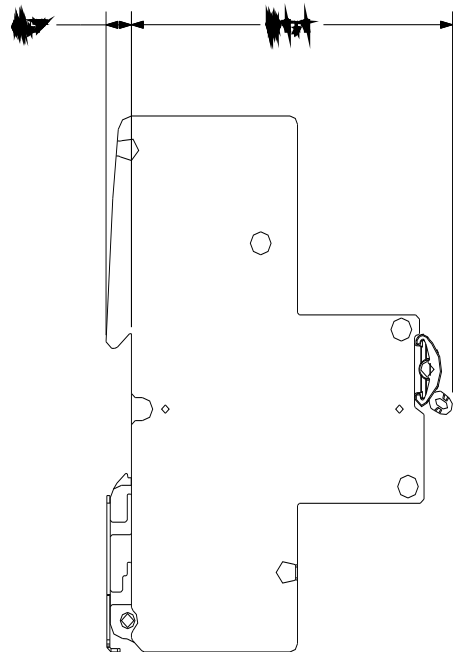
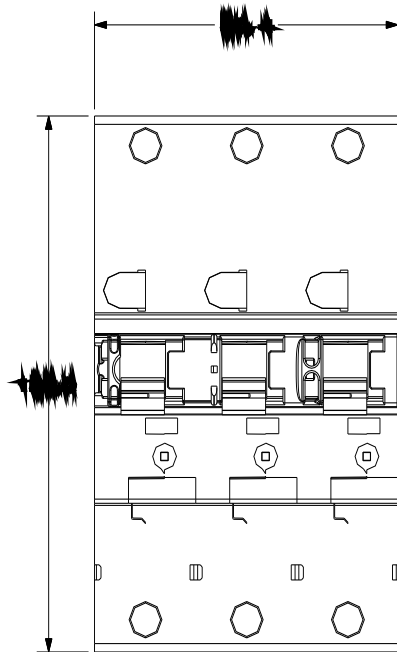
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





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