



Figure similar

Main miniature circuit breaker (SHU), 1-pole, E50A L2, 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	Locking slide with lock, additional wire seal, cable ties and Antilux
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	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	50 A 47.5 A 45 A 43.75 A 50 A
Supply voltage	
supply voltage at AC	230 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	8 W

operating state per pole		
suitability for operation		Residential buildings/infrastructure
Product details		
product component		
• outgoing feeder via spring-loaded terminal		Yes
• infeed at box terminal		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 spring-loaded terminal finely stranded with core end processing		
• minimum		2.5 mm²
• maximum		16 mm²
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
position of power supply cord		Stipulated by installation in the lower section of the meter panel
Mechanical Design		
height		151.3 mm
depth		89.5 mm
depth of the enclosure		76.3 mm
number of modular width units		1.5
fastening method		Busbar
fastening method other		on 40-mm busbar system in compliance with DIN 43870 Part 2
Net Weight		483 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
Approvals Certificates		
Environment	General Product Approval	other

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firmations](#)

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other

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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=5SP3750-2KK02>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SP3750-2KK02>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3750-2KK02

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='HAUPT'></mmp_prod_no>)



