

MAIN CIRCUIT BREAKER (SHU), 2POLE, E 16, 400V



Model	
Product brand name	SETRON
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	2
Number of poles / Note	2P
Tripping characteristic class	E
circuit-breaker / Design	5SP3
Mechanical service life (switching cycles) / typical	20 000
Overvoltage category	IV
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Supply voltage	
Supply voltage / at AC / rated value	400 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
• acc. 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	4.5 W
• maximum	9 W
Electricity	
rated current I _n / IEC, DIN/VDE / at 40 Cel	15.2 A
Current / at AC / rated value	16 A
Main circuit	
Operating voltage / rated value	
• minimum	110 V
• maximum	440 V
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
Product function	
Product function / neutral conductor switching	No
Display and operation	
Display version / for switch position indicator	OFF = green, ON = red
Connections	
Connectable conductor cross-section / stranded	
• minimum	2.5 mm ²
• maximum	50 mm ²
Connectable conductor cross-section	
• of the box terminal — solid / minimum	2.5 mm ²

- solid / maximum 50 mm²
- stranded / minimum 2.5 mm²
- stranded / maximum 50 mm²
- solid
 - minimum 2.5 mm²
 - maximum 50 mm²
- 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 width units	3
Mounting type	standard rail
Mounting type / other installation / Note	On standard mounting rail 35 mm acc. to EN 60715
Net weight	700 g

Environmental conditions

Degree of pollution	3
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 • during storage / minimum -40 °C • during storage / maximum 70 °C	

General Product Approval

Declaration of Conformity



VDE



EG-Konf.

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=5SP3216-3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SP3216-3>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3216-3



