

CIRCUIT BREAKER 400V 6KA, 3POLE, B, 16A



Model	
product brandname	SENTRON
Product designation	Miniature circuit breakers
Design of the product	5SL miniature circuit breakers
General technical data	
Number of poles	3
Number of poles / Note	3P
Tripping characteristic class	B
circuit-breaker / Design	5SL6
Mechanical service life (switching cycles) / typical	20 000
Overvoltage category	3
Voltage	
Type of voltage	AC/DC
Insulation voltage	440 V
• with multi-phase operation / at AC / rated value	
Supply voltage	
Supply voltage frequency / rated value	50 Hz

Protection class	
Protection class IP	IP20, with connected conductors
Energy limiting class	3
Switching capacity	
Switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
Dissipation	
Power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	1.9 W
• maximum	5.7 W
Electricity	
rated current I_n / IEC, DIN/VDE / at 40 °C	15.22659 A
Current / at AC / rated value	16 A
Main circuit	
Operating voltage	
• minimum	24 V
• at DC / rated value / maximum	60 V
• with multi-phase operation / at AC / maximum	440 V
Product details	
Product feature / Touch protection	Yes
Product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Product function	
Product function / neutral conductor switching	No
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	6
Connections	
Connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	35 mm ²
Connectable conductor cross-section	
• solid	

- minimum 0.75 mm²
- maximum 35 mm²
- finely stranded / with core end processing
 - minimum 0.75 mm²
 - maximum 25 mm²

Tightening torque / with screw-type terminals

- minimum 2.5 N·m
- maximum 3 N·m

Mechanical Design

Height	90 mm
Width	54 mm
Depth	76 mm
Mounting position	any
Installation depth	70 mm
Number of width units	3
Net weight	356 g

Environmental conditions

Degree of pollution	2
Influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
Ambient temperature • minimum -25 °C • maximum 45 °C • during storage / minimum -40 °C • during storage / maximum 75 °C	

Certificates

Equipment marking • acc. to DIN EN 61346-2 F • acc. to DIN EN 81346-2 F	
--	--

General Product Approval

Declaration of Conformity

Test Certificates



[TSE](#)



[sonstig](#)

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=5SL6316-6>

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

<http://support.automation.siemens.com/WW/view/en/5SL6316-6/all>

