



SBN399

3-pole, 125A Modular Switch

Technical Features

Architecture

Number of poles	3
Neutral position	Without neutral
Type of pole	3P

Electric current

Rated current	125 A
Rated conditional short-circuit current I_{cc} with gl-gG fuses	1.50 kA
Acceptable current rating AC21 category A	125 A
Acceptable current rating AC21 category B	125 A
Acceptable current rating AC22 category A	125 A
Acceptable current rating AC22 category B	125 A
Rated short-circuit making capacity I_{cm} under 415 V AC according to IEC 60947-3	2.11 kA
Rated short-time withstand current I_{cw} 1s IEC 60947	1.50 kA

Installation, mounting

Nominal tightening torque	3.60 - 3.60 Nm
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Voltage

Rated operational voltage U_e	400 - 400 V
Type voltage supply	AC
Rated insulation voltage U_i	440 V

Installation, mounting

Type of bottom connection for modular devices	Screw terminal
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Voltage

Rated impulse withstand voltage U_{imp}	6000 V
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Capacity

Number of modules	3
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Safety

Ingress Protection (IP) class	IP20
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Frequency

Frequency	50 - 60 Hz
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Dimensions

Height	83 mm
Width	52.50 mm
Depth	68 mm
Dimensions	83 x 52.50 mm

Equipment

Number of NO contacts	3
Number of NC contacts	0

Use conditions

Operating temperature	-20 - 70 °C
Storage/transport temperature	-40 - 80 °C

Connection

Cross-section flexible conductor	6 - 35 mm ²
Cross-section rigid conductor	6 - 50 mm ²

Endurance

Number of mechanical operations	40000
Electrical durability at nominal load in AC21 in operating cycles	2500
Electrical durability at nominal load in AC22 in operating cycles	2500

Product Datasheet

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Power	
Total power loss under IN	24 W
Power loss per pole at In	8 W
Connectivity	
Down connection alignment for modular devices	Aligned terminal
Top connection alignment for modular devices	Aligned terminal
Sustainability	
REACH-SVHC free	Yes
RoHS conform	Yes