

Product Datasheet

SBN225



SBN225

2-pole, 25A Modular Switch

Technical Features

Architecture

Number of poles	2
Neutral position	Without neutral
Type of pole	2P

Electric current

Rated current	25 A
Acceptable current rating AC21 category A	25 A
Acceptable current rating AC21 category B	25 A
Acceptable current rating AC22 category A	25 A
Acceptable current rating AC22 category B	25 A
Rated short-circuit making capacity I _{cm} under 240 V AC according to IEC 60947-3	0.52 kA
Rated short-time withstand current I _{cw} 1s IEC 60947	0.37 kA
Rated conditional short-circuit current I _{nc} with fuse according to IEC/EN 60669-2-4	3000A/50A gG

Installation, mounting

Nominal tightening torque	1.80 - 1.80 Nm
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Voltage

Rated operational voltage U _e	230 - 230 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}	4000 V
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Capacity

Number of modules	1
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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	17.50 mm
Depth	68 mm
Dimensions	83 x 17.50 mm

Equipment

Number of NO contacts	2
Number of NC contacts	0

Use conditions

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

Connection

Cross-section flexible conductor	1.5 - 10 mm ²
Cross-section rigid conductor	1.5 - 16 mm ²

Endurance

Number of mechanical operations	200000
Electrical durability at nominal load in AC21 in operating cycles	25000
Electrical durability at nominal load in AC22 in operating cycles	25000

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Power	
Total power loss under IN	1.80 W
Power loss per pole at In	0.90 W
Connectivity	
Down connection alignment for modular devices	Shifted terminal
Top connection alignment for modular devices	Shifted terminal
Sustainability	
REACH-SVHC free	Yes
RoHS conform	Yes