



SBN390N

3-pole, 100A Modular Switch

Technical characteristics

Architecture

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

Configuration

Number of modules	3
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Main electrical features

Rated operational voltage Ue	415 V
Frequency	50/60 Hz

Voltage

Rated insulation voltage	440 V
Rated impulse withstand voltage	6000 V

Electric current

Rated operational current in AC21category B	100 A
Acceptable current rating with AC22 category A	100 A
Rated current	100 A
Rated short-time withstand current 1s	1.2 kA
Thermal rated current outside of housings	100 A
Rated operational current in AC21 category A	100 A
Acceptable current rating with AC22 category B	100 A

Dimensions

Depth of installed product	68 mm
Height of installed product	83 mm
Width of installed product	52.5 mm

Frequency

Frequency	50 to 60 Hz
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Power

Total power loss under I _N	16.5 W
Power loss per pole at I _N	5.5 W

Endurance

Electrical durability at nominal load in AC21in operating cycles	2500
Electrical durability at nominal load in AC22 in operating cycles	2500
Number of mechanical operations	40000
Installation, mounting	
Top removability for modular devices	No
Bottom removability for modular devices	No
Connection	
Cage clamp position	in line
Type of connection	with screw
Equipment	
Quantity of NO contacts	3
Can be accessorized	Yes
Standards	
European directive WEEE	concerned
Safety	
Protection index IP	IP20
REACH conform	Yes
RoHS conform	Yes
Halogen free	No
Use conditions	
Operating temperature	-20...50 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage/transport temperature	-40...80 °C