



SBN480N

4-pole, 80A Modular Switch

Technical characteristics

Architecture

Neutral position	without neutral
Number of poles	4 P
Type of pole	4 P

Configuration

Number of modules	4
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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	80 A
Acceptable current rating with AC22 category A	80 A
Rated current	80 A
Rated short-time withstand current 1s	0.96 kA
Thermal rated current outside of housings	80 A
Rated operational current in AC21 category A	80 A
Acceptable current rating with AC22 category B	80 A

Dimensions

Depth of installed product	69 mm
Height of installed product	83 mm
Width of installed product	70 mm

Frequency

Frequency	50 to 60 Hz
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Power

Total power loss under IN	1.8 W
Power loss per pole at In	2.7 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
Equipment	
Quantity of NO contacts	4
Can be accessorized	Yes
Standards	
Standard text	IEC 60947-3
European directive WEEE	not concerned
Safety	
Protection index IP	IP20
REACH conform	Yes
RoHS conform	Yes
Halogen free	No
Use conditions	
Operating temperature	-20...50 °C
Altitude	2000 m
Storage/transport temperature	-40...80 °C