



SBN380N

### 3-pole, 80A 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	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	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 IN	8.1 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
<b>Installation, mounting</b>	
Top removability for modular devices	No
Bottom removability for modular devices	No
<b>Connection</b>	
Cage clamp position	in line
<b>Equipment</b>	
Quantity of NO contacts	3
Can be accessorized	Yes
<b>Standards</b>	
Standard text	IEC 60947-3
European directive WEEE	not concerned
<b>Safety</b>	
Protection index IP	IP20
REACH conform	Yes
RoHS conform	Yes
Halogen free	No
<b>Use conditions</b>	
Operating temperature	-20...50 °C
Altitude	2000 m
Storage/transport temperature	-40...80 °C