



SBN390

**3-pole, 100A Modular Switch**

**Technical properties**

**Architecture**

Type of order	Break switch
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	400 V
Frequency	50/60 Hz

**Voltage**

Rated insulation voltage	440 V
Type of voltage input 1	AC
Rated impulse withstand voltage	6000 V

**Electric current**

Rated operational current in AC21 category 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 <sub>N</sub>	16.5 W
Power loss per pole at I <sub>n</sub>	5.5 W

**Endurance**

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

**Installation, mounting**

Tightening torque	3,6Nm
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**Connection**

Connection cross-sect. flexible conductor	6 / 35mm <sup>2</sup>
Connection cross-sect. rigid cable	6 / 50mm <sup>2</sup>
Cage clamp position	in line
Type of connection	with screw

**Equipment**

Quantity of NC contacts	0
Quantity of NO contacts	3
Quantity of INV contacts	0

**Standards**

Standard text	IEC 60947-3
European directive WEEE	not concerned

**Safety**

Protection index IP	IP20
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**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