



SBN280

## 2-pole, 80A Modular Switch

### Technical properties

#### Architecture

Type of order	Break switch
Neutral position	without neutral
Number of poles	2 P
Type of pole	2 P

#### Configuration

Number of modules	2
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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	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	35 mm

#### Frequency

Frequency	50 to 60 Hz
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#### Power

Total power loss under I <sub>N</sub>	5.4 W
Power loss per pole at I <sub>n</sub>	2.7 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	2
Quantity of INV contacts	0

**Standards**

Standard text	IEC 60947-3
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**Safety**

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