



SBN180

**1-pole, 80A Modular Switch**

**Technical Features**

**Architecture**

Number of poles	1
Type of pole	1P

**Electric current**

Rated current	80 A
Rated conditional short-circuit current I <sub>cc</sub> with gI-gG fuses	0.96 kA
Acceptable current rating AC21 category A	80 A
Acceptable current rating AC21 category B	80 A
Acceptable current rating AC22 category A	80 A
Acceptable current rating AC22 category B	80 A
Rated short-circuit making capacity I <sub>cm</sub> under 240 V AC according to IEC 60947-3	1.35 kA
Rated short-time withstand current I <sub>cw</sub> 1s IEC 60947	0.96 kA

**Installation, mounting**

Nominal tightening torque	3.60 - 3.60 Nm
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**Voltage**

Rated operational voltage U <sub>e</sub>	230 - 230 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	440 V

**Installation, mounting**

Type of bottom connection for modular devices	Screw terminal
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**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	6000 V
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**Capacity**

Number of modules	1
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**Safety**

Ingress Protection (IP) class	IP20
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**Frequency**

Frequency	50 - 60 Hz
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**Dimensions**

Height	83 mm
Width	17.50 mm
Depth	68 mm
Dimensions	83 x 17.50 mm

**Equipment**

Number of NO contacts	1
Number of NC contacts	0

**Use conditions**

Operating temperature	-20 - 70 °C
Storage/transport temperature	-40 - 80 °C

**Connection**

Cross-section flexible conductor	6 - 35 mm <sup>2</sup>
Cross-section rigid conductor	6 - 50 mm <sup>2</sup>

**Endurance**

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

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**Power**

Total power loss under IN	2.70 W
Power loss per pole at In	2.70 W

**Connectivity**

Down connection alignment for modular devices	Aligned terminal
Top connection alignment for modular devices	Aligned terminal

**Sustainability**

REACH-SVHC free	Yes
RoHS conform	Yes