



SBN180

### 1-pole, 80A Modular Switch

#### Technical Features

##### Architecture

Number of poles	1
Neutral position	Without neutral
Type of pole	1P

##### Electric current

Rated current	80 A
Rated conditional short-circuit current $I_{cc}$ with gl-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 $I_{cm}$ under 240 V AC according to IEC 60947-3	1.35 kA
Rated short-time withstand current $I_{cw}$ 1s IEC 60947	0.96 kA

##### Installation, mounting

Nominal tightening torque	3.60 - 3.60 Nm
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##### Voltage

Rated operational voltage $U_e$	230 - 230 V
Type voltage supply	AC
Rated insulation voltage $U_i$	440 V

##### Installation, mounting

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

Rated impulse withstand voltage $U_{imp}$	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

<b>Power</b>	
Total power loss under IN	2.70 W
Power loss per pole at In	2.70 W
<b>Connectivity</b>	
Down connection alignment for modular devices	Aligned terminal
Top connection alignment for modular devices	Aligned terminal
<b>Sustainability</b>	
REACH-SVHC free	Yes
RoHS conform	Yes