



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 _{cc} 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 _{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 ²
Cross-section rigid conductor	6 - 50 mm ²

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

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