



SBN180

1-pole, 80A Modular Switch

Technical properties

Architecture

Type of order	Break switch
Neutral position	without neutral
Number of poles	1 P
Type of pole	1 P

Configuration

Number of modules	1
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Main electrical features

Rated operational voltage Ue	230 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	17.5 mm

Frequency

Frequency	50 to 60 Hz
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Power

Total power loss under IN	2.7 W
Power loss per pole at In	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 ²
Connection cross-sect. rigid cable	6 / 50mm ²
Cage clamp position	in line
Type of connection	with screw

Equipment

Quantity of NC contacts	0
Quantity of NO contacts	1
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