



SBN280

## 2P 80A Switch

### Technische Merkmale

#### Architecture

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

#### Main electrical features

Frequency	50/60 Hz
Rated operational voltage Ue	400 V

#### 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 A	80 A
Rated operational current in AC21 category B	80 A
Acceptable current rating with AC22 category A	80 A
Acceptable current rating with AC22 category B	80 A
Short-circuit current with gl-gG fuses	960 A
Closing ability with 400V in AC23A	1354 A
Rated short-circuit making capacity I <sub>cm</sub> under 415V AC according IEC 60947-3	1354 A
Rated short-time withstand current 1s	0,96 kA
Thermal rated current outside of housings	80 A

#### Power

Power loss per pole at I <sub>n</sub>	2,7 W
Total power loss under I <sub>N</sub>	5,4 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

#### Dimensions

Depth of installed product	68 mm
Height of installed product	83 mm
Width of installed product	35 mm

#### Installation, mounting

Tightening torque	3,6Nm
-------------------	-------

**Connection**

Cage clamp position	in line
Connection cross-sect. rigid cable	6 / 50mm <sup>2</sup>
Connection cross-sect. flexible conductor	6 / 35mm <sup>2</sup>
Type of connection	with screw

**Equipment**

Quantity of NO contacts	2
-------------------------	---

**Standards**

Standard text	IEC 60947-3
European directive WEEE	concerned

**Safety**

Protection index IP	IP20
---------------------	------

**Use conditions**

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage temperature	-40 to 80 °C

**Identification**

Device family	SBN
---------------	-----