



SBN299

**2-pole, 125A Modular Switch**

**Technical characteristics**

**Architecture**

Neutral position	without neutral
Number of poles	2 P
Type of pole	2 P

**Configuration**

Number of modules	2
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**Main electrical features**

Rated operational voltage Ue	400 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	125 A
Acceptable current rating with AC22 category A	125 A
Rated current	125 A
Rated short-time withstand current 1s	1.5 kA
Thermal rated current outside of housings	125 A
Rated operational current in AC21 category A	125 A
Acceptable current rating with AC22 category B	125 A

**Dimensions**

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

**Frequency**

Frequency	50 to 60 Hz
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**Power**

Total power loss under I <sub>N</sub>	16 W
Power loss per pole at I <sub>N</sub>	8 W

**Endurance**

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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

**Connection**

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Cage clamp position	in line
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**Equipment**

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Quantity of NC contacts	0
Quantity of NO contacts	2
Quantity of INV contacts	0

**Standards**

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Standard text	IEC 60947-3
European directive WEEE	concerned

**Safety**

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Protection index IP	IP20
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**Use conditions**

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Operating temperature	-20...50 °C
Altitude	2000 m
Storage/transport temperature	-40...80 °C