



SBN163

**1-pole, 63A Modular Switch**

**Technical characteristics**

**Architecture**

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

**Electric current**

Rated current	63 A
Breaking capacity 400 V AC23A	1,332 A
Rated conditional short-circuit current I <sub>cc</sub> with gl-gG fuses	0.94 kA
Acceptable current rating AC21 category A	63 A
Acceptable current rating AC21 category B	63 A
Acceptable current rating AC22 category A	63 A
Acceptable current rating AC22 category B	63 A
Rated short-circuit making capacity I <sub>cm</sub> under 240 V AC according to IEC 60947-3	1.33 kA
Rated short-time withstand current I <sub>cw</sub> 1s IEC 60947	0.94 kA

**Installation, mounting**

Nominal tightening torque	2.80 - 2.80 Nm
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**Voltage**

Rated operational voltage U <sub>e</sub>	230 - 230 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	440 V
Rated impulse withstand voltage U <sub>imp</sub>	6,000 V

**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

**Equipment**

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Number of NO contacts	1
Number of NC contacts	0

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**Use conditions**

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Operating temperature	-20 - 70 °C
Storage/transport temperature	-40 - 80 °C

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**Connection**

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Cross-section flexible conductor	2.5 - 16 mm <sup>2</sup>
Cross-section rigid conductor	2.5 - 25 mm <sup>2</sup>

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**Endurance**

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Number of mechanical operations	60,000
Electrical durability at nominal load in AC21 in operating cycles	5,000
Electrical durability at nominal load in AC22 in operating cycles	5,000

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**Power**

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Total power loss under IN	2.30 W
Power loss per pole at In	2.30 W

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**Connectivity**

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Top connection alignment for modular devices	Aligned terminal
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