



SBN490

## 4-pole, 100A Modular Switch

### Technical Features

#### Architecture

Number of poles	4
Type of pole	4P

#### Electric current

Rated current	100 A
Rated conditional short-circuit current $I_{cc}$ with gI-gG fuses	1.20 kA
Acceptable current rating AC21 category A	100 A
Acceptable current rating AC21 category B	100 A
Acceptable current rating AC22 category A	100 A
Acceptable current rating AC22 category B	100 A
Rated short-circuit making capacity $I_{cm}$ under 415 V AC according to IEC 60947-3	1.69 kA
Rated short-time withstand current $I_{cw}$ 1s IEC 60947	1.20 kA

#### Installation, mounting

Nominal tightening torque	3.60 - 3.60 Nm
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#### Voltage

Rated operational voltage $U_e$	400 - 400 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	4
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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	70 mm
Depth	69 mm
Dimensions	83 x 70 mm

#### Equipment

Number of NO contacts	4
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 <sup>2</sup>
Cross-section rigid conductor	6 - 50 mm <sup>2</sup>

#### 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

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**Power**

Total power loss under IN	22 W
Power loss per pole at In	5.50 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