



SBR190

## 1-pole, 100A Modular Switch with Red Toggle

### Technical properties

#### Architecture

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

#### Electric current

Rated current	100 A
Rated conditional short-circuit current $I_{cc}$ with gl-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 240 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
Type of bottom connection for modular devices	Screw terminal

#### Voltage

Rated operational voltage $U_e$	230 - 230 V
Type voltage supply	AC
Rated insulation voltage $U_i$	440 V
Rated impulse withstand voltage $U_{imp}$	6000 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

<b>Equipment</b>	
Number of NO contacts	1
Number of NC contacts	0
<b>Use conditions</b>	
Operating temperature	-20 - 70 °C
Storage/transport temperature	-40 - 80 °C
<b>Connection</b>	
Cross-section flexible conductor	6 - 35 mm <sup>2</sup>
Cross-section rigid conductor	6 - 50 mm <sup>2</sup>
<b>Endurance</b>	
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
<b>Power</b>	
Total power loss under IN	5,50 W
Power loss per pole at In	5,50 W
<b>Connectivity</b>	
Down connection alignment for modular devices	Aligned terminal
Top connection alignment for modular devices	Aligned terminal