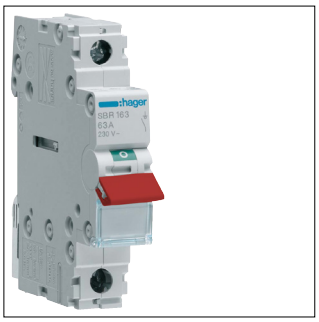
# Product Datasheet
SBR180



SBR163

**1-pole, 80A Modular Switch with Red Toggle**

## Technical Features

### Architecture

| | |
|---|---|
| Number of poles | 1 |
| Control/operation element | Break switch |
| Type of pole | 1P |

### Electric current

| | |
|---|---|
| Rated current IN | 80 A |
| Rated conditional short-circuit current Icc with gl-gG fuses | 0.96 kA |
| Acceptable current rating AC21 category A | 80 A |
| Acceptable current rating AC21 category B | 80 A |
| Acceptable current rating AC22 category A | 80 A |
| Acceptable current rating AC22 category B | 80 A |
| Rated short-circuit making capacity Icm under 240 V AC according to IEC 60947-3 | 1.35 kA |
| Rated short-time withstand current Icw 1s IEC 60947 | 0.96 kA |

### Installation, mounting

| | |
|---|---|
| Nominal tightening torque | 3.60 - 3.60 Nm |

### Voltage

| | |
|---|---|
| Rated operational voltage Ue | 230 - 230 V |
| Type voltage supply | AC |
| Rated insulation voltage Ui | 440 V |

### Installation, mounting

| | |
|---|---|
| Type of bottom connection for modular devices | biconnect |

### Voltage

| | |
|---|---|
| Rated impulse withstand voltage Uimp | 6000 V |

### Capacity

| | |
|---|---|
| Number of modules | 1 |

### Safety

| | |
|---|---|
| Ingress Protection (IP) class | IP20 |

### Frequency

| | |
|---|---|
| Frequency | 50 - 60 Hz |

### Dimensions

| | |
|---|---|
| Height | 83 mm |
| Width | 17.50 mm |
| Depth | 68 mm |
| Dimensions | 83 x 17.50 mm |

### Equipment

| | |
|---|---|
| Number of NO contacts | 1 |
| 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 $mm^2$ |
| Cross-section rigid conductor | 6 - 50 $mm^2$ |

### 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 |

| Power | |
|---|---|
| Power dissipation at IN | 2.70 W |
| Power loss per pole at In | 2.70 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 |