



SBN440

## 4P 40A Switch

### Technische Merkmale

#### Architecture

|                  |                 |
|------------------|-----------------|
| Type of order    | Break switch    |
| Neutral position | without neutral |
| Number of poles  | 4 P             |
| Type of pole     | 4 P             |

#### Main electrical features

|                              |          |
|------------------------------|----------|
| Frequency                    | 50/60 Hz |
| Rated operational voltage Ue | 400 V    |

#### 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 A                                | 40 A   |
| Rated operational current in AC21 category B                                | 40 A   |
| Acceptable current rating with AC22 category A                              | 40 A   |
| Acceptable current rating with AC22 category B                              | 40 A   |
| Short-circuit current with gl-gG fuses                                      | 600 A  |
| Closing ability with 400V in AC23A  | 846 A  |
| Rated short-circuit making capacity Icm under 415V AC according IEC 60947-3 | 846 A  |
| Rated short-time withstand current 1s                                       | 0,6 kA |
| Thermal rated current outside of housings                                   | 40 A   |

#### Power

|                           |       |
|---------------------------|-------|
| Power loss per pole at In | 1,1 W |
| Total power loss under IN | 4,4 W |

#### Endurance

|   |       |
|---|-------|
| Electrical durability at nominal load in AC21 in operating cycles | 5000  |
| Electrical durability at nominal load in AC22 in operating cycles | 5000  |
| Number of mechanical operations                                   | 60000 |

#### Dimensions

|                             |       |
|-----------------------------|-------|
| Depth of installed product  | 69 mm |
| Height of installed product | 83 mm |
| Width of installed product  | 70 mm |

#### Installation, mounting

|                   |       |
|-------------------|-------|
| Tightening torque | 2,8Nm |
|-------------------|-------|

## Connection

|   |                         |
|---|-------------------------|
| Cage clamp position                       | in line                 |
| Connection cross-sect. rigid cable        | 2,5 / 25mm <sup>2</sup> |
| Connection cross-sect. flexible conductor | 2,5 / 16mm <sup>2</sup> |
| Type of connection                        | with screw              |

## Equipment

|                         |   |
|-------------------------|---|
| Quantity of NO contacts | 4 |
|-------------------------|---|

## Standards

|                         |   |
|-------------------------|---|
| Standard text           | IEC 60947-3, IEC/EN 60669-2, IEC/EN 60669-4 |
| European directive WEEE | concerned                                   |

## Safety

|                     |      |
|---------------------|------|
| Protection index IP | IP20 |
|---------------------|------|

## Use conditions

|  |              |
|--|--------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2            |
| Altitude   | 2000 m       |
| Storage temperature                                      | -40 to 80 °C |

## Identification

|               |     |
|---------------|-----|
| Device family | SBN |
|---------------|-----|