



SBN290

2P 100A Switch

Technische Merkmale

Architecture

| | |
|------------------|-----------------|
| Type of order | Break switch |
| Neutral position | without neutral |
| Number of poles | 2 P |
| Type of pole | 2 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 | 100 A |
| Rated operational current in AC21 category B | 100 A |
| Acceptable current rating with AC22 category A | 100 A |
| Acceptable current rating with AC22 category B | 100 A |
| Short-circuit current with gl-gG fuses | 1200 A |
| Closing ability with 400V in AC23A | 1692 A |
| Rated short-circuit making capacity Icm under 415V AC according IEC 60947-3 | 1692 A |
| Rated short-time withstand current 1s | 1,2 kA |
| Thermal rated current outside of housings | 100 A |

Power

| | |
|---------------------------|-------|
| Power loss per pole at In | 5,5 W |
| Total power loss under IN | 11 W |

Endurance

| | |
|---|-------|
| Electrical durability at nominal load in AC21 in operating cycles | 2500 |
| Electrical durability at nominal load in AC22 in operating cycles | 2500 |
| Number of mechanical operations | 40000 |

Dimensions

| | |
|-----------------------------|-------|
| Depth of installed product | 68 mm |
| Height of installed product | 83 mm |
| Width of installed product | 35 mm |

Installation, mounting

| | |
|-------------------|-------|
| Tightening torque | 3,6Nm |
|-------------------|-------|

Connection

| | |
|---|-----------------------|
| Cage clamp position | in line |
| Connection cross-sect. rigid cable | 6 / 50mm ² |
| Connection cross-sect. flexible conductor | 6 / 35mm ² |
| Type of connection | with screw |

Equipment

| | |
|-------------------------|---|
| Quantity of NO contacts | 2 |
|-------------------------|---|

Standards

| | |
|-------------------------|-------------|
| Standard text | IEC 60947-3 |
| 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 |
|---------------|-----|