



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 |
|---------------------------|----------------|

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 |
|---|----------------|

Voltage

| | |
|--|--------|
| Rated impulse withstand voltage U _{imp} | 6000 V |
|--|--------|

Capacity

| | |
|-------------------|---|
| Number of modules | 4 |
|-------------------|---|

Safety

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

Frequency

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

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 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

| | |
|---------------------------|--------|
| 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 |