



SBN425

4-pole, 25A Modular Switch

Technical Features

Architecture

| | |
|-----------------|----|
| Number of poles | 4 |
| Type of pole | 4P |

Electric current

| | |
|--|---------|
| Rated current | 25 A |
| Acceptable current rating AC21 category A | 25 A |
| Acceptable current rating AC21 category B | 25 A |
| Acceptable current rating AC22 category A | 25 A |
| Acceptable current rating AC22 category B | 25 A |
| Rated short-circuit making capacity I _{cm} under 415 V AC according to IEC 60947-3 | 0.52 kA |
| Rated short-time withstand current I _{cw} 1s IEC 60947 | 0.37 kA |
| Rated conditional short-circuit current I _{nc} with fuse according to IEC/EN 3000A/80A gG parallel 32A gG 60669-2-4 | |

Installation, mounting

| | |
|---------------------------|----------------|
| Nominal tightening torque | 1.80 - 1.80 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} | 4000 V |
|--|--------|

Capacity

| | |
|-------------------|---|
| Number of modules | 2 |
|-------------------|---|

Safety

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

Frequency

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

Dimensions

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|------------|------------|
| Height | 83 mm |
| Width | 35 mm |
| Depth | 68 mm |
| Dimensions | 83 x 35 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 | 1.5 - 10 mm ² |
| Cross-section rigid conductor | 1.5 - 16 mm ² |

Endurance

| | |
|---|--------|
| Number of mechanical operations | 200000 |
| Electrical durability at nominal load in AC21 in operating cycles | 25000 |
| Electrical durability at nominal load in AC22 in operating cycles | 25000 |

Power

| | |
|---------------------------|--------|
| Total power loss under IN | 3.60 W |
| Power loss per pole at In | 0.90 W |

Connectivity

| | |
|---|------------------|
| Down connection alignment for modular devices | Shifted terminal |
| Top connection alignment for modular devices | Shifted terminal |

Sustainability

| | |
|-----------------|-----|
| REACH-SVHC free | Yes |
| RoHS conform | Yes |