



SBN340

### 3-pole, 40A Modular Switch

#### Technical properties

##### Architecture

|                  |                 |
|------------------|-----------------|
| Number of poles  | 3               |
| Neutral position | Without neutral |
| Type of pole     | 3P              |

##### Electric current

|   |         |
|---|---------|
| Rated current   | 40 A    |
| Breaking capacity 400 V AC23A   | 846 A   |
| Rated conditional short-circuit current I <sub>cc</sub> with gl-gG fuses                    | 0.60 kA |
| Acceptable current rating AC21 category A   | 40 A    |
| Acceptable current rating AC21 category B   | 40 A    |
| Acceptable current rating AC22 category A   | 40 A    |
| Acceptable current rating AC22 category B   | 40 A    |
| Rated short-circuit making capacity I <sub>cm</sub> under 415 V AC according to IEC 60947-3 | 0.84 kA |
| Rated short-time withstand current I <sub>cw</sub> 1s IEC 60947                             | 0.60 kA |

##### Installation, mounting

|                           |                |
|---------------------------|----------------|
| Nominal tightening torque | 2.80 - 2.80 Nm |
|---------------------------|----------------|

##### Voltage

|  |             |
|--|-------------|
| Rated operational voltage U <sub>e</sub>         | 400 - 400 V |
| Type voltage supply                              | AC          |
| Rated insulation voltage U <sub>i</sub>          | 440 V       |
| Rated impulse withstand voltage U <sub>imp</sub> | 6,000 V     |

##### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 3 |
|-------------------|---|

##### Safety

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

##### Frequency

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

##### Dimensions

|        |          |
|--------|----------|
| Height | 83 mm    |
| Width  | 52.50 mm |
| Depth  | 68 mm    |

**Equipment**

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|                       |   |
|-----------------------|---|
| Number of NO contacts | 3 |
| Number of NC contacts | 0 |

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**Use conditions**

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|                               |             |
|-------------------------------|-------------|
| Operating temperature         | -20 - 70 °C |
| Storage/transport temperature | -40 - 80 °C |

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**Connection**

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|                                  |                          |
|----------------------------------|--------------------------|
| Cross-section flexible conductor | 2.5 - 16 mm <sup>2</sup> |
| Cross-section rigid conductor    | 2.5 - 25 mm <sup>2</sup> |

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**Endurance**

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|  |        |
|--|--------|
| Number of mechanical operations                                      | 60,000 |
| Electrical durability at nominal load in AC21<br>in operating cycles | 5,000  |
| Electrical durability at nominal load in AC22<br>in operating cycles | 5,000  |

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**Power**

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|                           |        |
|---------------------------|--------|
| Total power loss under IN | 3.30 W |
| Power loss per pole at In | 1.10 W |

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**Connectivity**

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|   |                  |
|---|------------------|
| Top connection alignment for modular<br>devices | Aligned terminal |
|---|------------------|

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