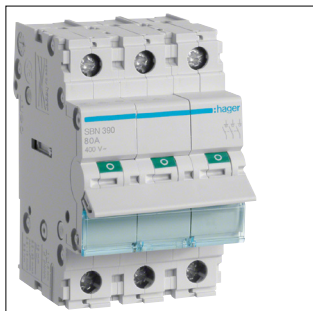




SBN390

### 3-pole, 100A Modular Switch

#### Technical Features

##### Architecture

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

##### Electric current

|                                                                                      |         |
|--------------------------------------------------------------------------------------|---------|
| Rated current                                                                        | 100 A   |
| Rated conditional short-circuit current $I_{cc}$ with gl-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 | 3 |
|-------------------|---|

##### Safety

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

##### Frequency

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

##### Dimensions

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

##### Equipment

|                       |   |
|-----------------------|---|
| Number of NO contacts | 3 |
| 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 <sup>2</sup> |
| Cross-section rigid conductor    | 6 - 50 mm <sup>2</sup> |

##### 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  |

|                                               |                  |
|-----------------------------------------------|------------------|
| <b>Power</b>                                  |                  |
| Total power loss under IN                     | 16.50 W          |
| Power loss per pole at In                     | 5.50 W           |
| <b>Connectivity</b>                           |                  |
| Down connection alignment for modular devices | Aligned terminal |
| Top connection alignment for modular devices  | Aligned terminal |
| <b>Sustainability</b>                         |                  |
| REACH-SVHC free                               | Yes              |
| RoHS conform                                  | Yes              |