



HIC480G

## Automatic transfer switch 4x 800A

### Technical properties

#### Architecture

|                 |                |
|-----------------|----------------|
| Type of order   | Not applicable |
| Number of poles | 4 P            |
| Type of pole    | 4 P            |
| Type of case    | Fixed built-in |

#### Functions

|                  |     |
|------------------|-----|
| Reversing switch | Yes |
|------------------|-----|

#### Controls and indicators

|                        |     |
|------------------------|-----|
| Motor drive integrated | Yes |
|------------------------|-----|

#### Main electrical features

|                              |             |
|------------------------------|-------------|
| Rated operational voltage Ue | 380 / 415 V |
| Frequency                    | 50/60 Hz    |

#### Voltage

|                                 |         |
|---------------------------------|---------|
| Rated insulation voltage        | 1000 V  |
| Rated impulse withstand voltage | 12000 V |

#### Electric current

|  |       |
|--|-------|
| Rated operational current in AC21category B    | 800 A |
| Acceptable current rating with AC22 category A | 800 A |
| Rated current                                  | 800 A |
| Short-circuit current with gI-gG fuses         | 50 kA |
| Rated short-time withstand current 1s          | 35 kA |
| Rating current 10°C according to IEC 60947     | 800 A |
| Rating current 15°C according to IEC 60947     | 800 A |
| Rating current 20°C according to IEC 60947     | 800 A |
| Rating current 25°C according to IEC 60947     | 800 A |
| Rating current 30°C according to IEC 60947     | 800 A |
| Rating current 35°C according to IEC 60947     | 800 A |
| Rating current 40°C according to IEC 60947     | 800 A |
| Rating current 45°C according to IEC 60947     | 720 A |
| Rating current 5°C according to IEC 60947      | 800 A |
| Rating current 50°C according to IEC 60947     | 720 A |
| Rating current 55°C according to IEC 60947     | 640 A |
| Rating current 60°C according to IEC 60947     | 640 A |

|   |                           |
|---|---------------------------|
| Rating current 65°C according to IEC 60947              | 560 A                     |
| Rating current 70°C according to IEC 60947              | 560 A                     |
| Rated operational current in AC21 category A            | 800 A                     |
| Acceptable current rating with AC22 category B          | 800 A                     |
| Rated operational current in AC23 category A            | 800 A                     |
| Acceptable current rating with AC23 category B          | 800 A                     |
| Conventional thermal current under enclosure at 40°C    | 800 A                     |
| <b>Power</b>  |                           |
| Total power loss under I <sub>N</sub>                   | 166.8 W                   |
| Power loss per pole at I <sub>n</sub>                   | 41.7 W                    |
| Contact rating with 400 V in AC1                        | 526 kW                    |
| <b>Cover, door</b>                                      |                           |
| Interlockable   | Yes                       |
| <b>Connection</b>                                       |                           |
| Type of connection                                      | Terminal                  |
| <b>Equipment</b>  |                           |
| Number of auxiliary contacts as normally closed contact | 0                         |
| Number of auxiliary contacts as normally open contact   | 1                         |
| Number of auxiliary contacts as change-over contact     | 0                         |
| Motor drive optional                                    | No                        |
| <b>Standards</b>  |                           |
| Standard text   | IEC 60947-3 ; IEC 60947-6 |
| <b>Safety</b>   |                           |
| REACH conform   | Yes                       |
| RoHS conform  | Yes                       |
| Halogen free  | No                        |
| <b>Use conditions</b>                                   |                           |
| Altitude  | 2000 m                    |
| Storage/transport temperature                           | -40...70 °C               |