



HIC420G

**Automatic transfer switch 4x 200A**

**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        | 800 V  |
| Rated impulse withstand voltage | 8000 V |

**Electric current**

|                                                |       |
|------------------------------------------------|-------|
| Rated operational current in AC21category B    | 200 A |
| Acceptable current rating with AC22 category A | 200 A |
| Rated current                                  | 200 A |
| Short-circuit current with gI-gG fuses         | 50 kA |
| Rated short-time withstand current 1s          | 7 kA  |
| Rating current 10°C according to IEC 60947     | 200 A |
| Rating current 15°C according to IEC 60947     | 200 A |
| Rating current 20°C according to IEC 60947     | 200 A |
| Rating current 25°C according to IEC 60947     | 200 A |
| Rating current 30°C according to IEC 60947     | 200 A |
| Rating current 35°C according to IEC 60947     | 200 A |
| Rating current 40°C according to IEC 60947     | 200 A |
| Rating current 45°C according to IEC 60947     | 180 A |
| Rating current 5°C according to IEC 60947      | 200 A |
| Rating current 50°C according to IEC 60947     | 180 A |
| Rating current 55°C according to IEC 60947     | 160 A |
| Rating current 60°C according to IEC 60947     | 160 A |

|                                                         |                           |
|---------------------------------------------------------|---------------------------|
| Rating current 65°C according to IEC 60947              | 140 A                     |
| Rating current 70°C according to IEC 60947              | 140 A                     |
| Rated operational current in AC21 category A            | 200 A                     |
| Acceptable current rating with AC22 category B          | 200 A                     |
| Rated operational current in AC23 category A            | 200 A                     |
| Acceptable current rating with AC23 category B          | 200 A                     |
| Conventional thermal current under enclosure at 40°C    | 200 A                     |
| <b>Power</b>                                            |                           |
| Total power loss under I <sub>N</sub>                   | 16.4 W                    |
| Power loss per pole at I <sub>n</sub>                   | 4.1 W                     |
| Contact rating with 400 V in AC1                        | 131 kW                    |
| <b>Cover, door</b>                                      |                           |
| Interlockable                                           | Yes                       |
| <b>Installation, mounting</b>                           |                           |
| Tightening torque                                       | 20 - 22 Nm                |
| <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 |
| European directive WEEE                                 | concerned                 |
| <b>Safety</b>                                           |                           |
| Protection index IP                                     | IP00                      |
| <b>Use conditions</b>                                   |                           |
| Altitude                                                | 2000 m                    |
| Storage/transport temperature                           | -40...70 °C               |