



HI451

**Change-over switch 4P 125A**

Product Datasheet

**Architecture**

Type of order	Long thumb-grip
Number of poles	4 P
Type of pole	4 P
Type of case	Fixed built-in

**Functions**

Reversing switch	yes
Version as main switch	yes
Version as emergency stop installation	no
Version as safety switch	yes
Version as maintenance-/service switch	yes
Version as switch disconnecter compact	yes

**Controls and indicators**

Motor drive integrated	no
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**Main electrical features**

Rated operational voltage Ue	380 / 415 / 500 / 690 V
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**Voltage**

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
Rated operational voltage in DC	220 / 440 V

### Electric current

Rated operational current in AC21 category B	125 A
Acceptable current rating with AC22 category A	125 A
Rated current	125 A
Short-circuit current with gI-gG fuses	100 kA
Making capacity in peak short circuit	11900 A
Rated short-time withstand current I <sub>cw</sub>	12 kA
Rated short-time withstand current 1s	7 kA
Rating current 10°C according to IEC 60947	125 A
Rating current 150°C according to IEC 60947	125 A
Rating current 20°C according to IEC 60947	125 A
Rating current 25°C according to IEC 60947	125 A
Rating current 30°C according to IEC 60947	125 A
Rating current 35°C according to IEC 60947	125 A
Rating current 40°C according to IEC 60947	125 A
Rating current 45°C according to IEC 60947	112,5 A
Rating current 5°C according to IEC 60947	125 A
Rating current 50°C according to IEC 60947	112,5 A
Rating current 55°C according to IEC 60947	100 A
Rating current 60°C according to IEC 60947	100 A
Rating current 65°C according to IEC 60947	87,5 A
Rating current 70°C according to IEC 60947	87,5 A
Rated operational current in AC21 category A	125 A
Acceptable current rating with AC22 category B	125 A
Rated operational current in AC23 category A	125 A
Acceptable current rating with AC23 category B	125 A
Conventional thermal current under enclosure at 40°C	125 A

### Power

Contact rating with 400 V in AC1	82 kW
Rated operation power at AC-23, 400 V	56 kW

### Cover, door

Interlockable	yes
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### Materials

Toggle colour	Black
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### Dimensions

Depth of installed product	218 mm
Height of installed product	135 mm
Width of installed product	251 mm

#### Installation, mounting

Suitable for front mounting center	no
Suitable for distribution board installation	yes
Suitable for front mounting	no
Suitable for ground mounting	yes
Suitable for intermediate mounting	no

#### Connection

Type of connection	Terminal
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#### Equipment

Motor drive optional	no
With optional voltage release	no

#### Standards

Standard text	IEC 60947-3, IEC 60947-6
European directive WEEE	concerned
Product categories described in the W3E directive 2012/19/EU	Category 5

#### Safety

Protection index IP	IP00
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