



HI451



## Change-over switch 4P 125A

### Technical characteristics

#### Architecture

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

#### Controls and indicators

Motor drive integrated	No
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#### Main electrical features

Rated operational voltage U <sub>e</sub>	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 AC21category 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 15°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
<b>Dimensions</b>	
Depth of installed product	218 mm
Height of installed product	135 mm
Width of installed product	251 mm
<b>Power</b>	
Contact rating with 400 V in AC1	82 kW
<b>Cover, door</b>	
Interlockable	Yes
<b>Materials</b>	
Toggle colour	Black
<b>Installation, mounting</b>	
Suitable for front mounting center	No
Suitable for front mounting	No
Suitable for ground mounting	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	0
Number of auxiliary contacts as change-over contact	0
Motor drive optional	No
<b>Standards</b>	
European directive WEEE	concerned
<b>Safety</b>	

