



HA451

Load break switch 4P 125A

Technical properties

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	No
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Controls and indicators

Motor drive integrated	No
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Main electrical features

Rated operational voltage Ue	380 / 415 V
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Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8000 V

Electric current

Rated operational current in AC21category B	125 A
Acceptable current rating with AC22 category A	125 A
Cut off current	20 kA
Rated current	125 A
Short-circuit current with gI-gG fuses	50 kA
Rated short-time withstand current 1s	7 kA
Thermal rated current outside of housings	125 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

Nominal power under 440/500, 50Hz	63 kW
Nominal power under 660 V, 50 Hz	55 kW

Active power under 380/415 V, 50 Hz	63 kW
Total power loss under IN	5.4 W
Power loss per pole at In	1.8 W
Contact rating with 400 V in AC1	82 kW

Cover, door

Interlockable	Yes
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Installation, mounting

Tightening torque	9 - 9.9 Nm
Fixation type	Back plate mounting

Connection

Connection cross-sect. rigid cable	50mm ² max.
Type of connection	Terminal

Equipment

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
Width available for insulation connection	70 mm ²
Motor drive optional	No

Standards

Standard text	IEC 60947-3
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Safety

REACH conform	Yes
RoHS conform	Yes
Halogen free	Yes

Use conditions

Operating temperature	-20...70 °C
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