



HI451



Change-over switch 4P 125A

Technical properties

Architecture

Number of poles	4 P
Type of pole	4 P
Type of case	Fixed built-in

Functions

Reversing switch	Yes
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Controls and indicators

Motor drive integrated	No
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Main electrical features

Rated operational voltage Ue	380 / 400 / 500 / 690 V
Frequency	50/60 Hz

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8000 V
Rated operational voltage in DC	260 / 400 / 500 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
Breaking capacity 400V/AC23A	1000 A
Closing ability with 400V in AC23A	1250 A
Making capacity in peak short circuit	12 A
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

Power

Nominal power under 440/500, 50Hz	80 kW
Nominal power under 660 V, 50 Hz	110 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	1.9 W
Contact rating with 400 V in AC1	82 kW

Endurance

Electrical durability at nominal load in AC21in operating cycles	1000
Electrical durability at nominal load in AC22 in operating cycles	200
Number of mechanical operations	10000

Cover, door

Interlockable	Yes
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Connection

Type of connection	Terminal
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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
Motor drive optional	No

Standards

European directive WEEE	concerned
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Safety

Protection index IP	IP00
REACH conform	Yes
RoHS conform	Yes