



HA451

Load break switch 4P 125A

Technical Features

Electric current

Rated current	125 A
Rated short-time withstand current I _{cs} IEC 60947	7 kA
Acceptable current rating AC21	125 A
Acceptable current rating AC21 category A	125 A
Acceptable current rating AC21 category B	125 A
Acceptable current rating AC22 category A	125 A
Acceptable current rating AC22 category B	125 A
Acceptable current rating AC23 category A	125 A
Acceptable current rating AC23 category B	125 A
Rated short-circuit making capacity I _{cm} under 415 V AC according to IEC 60947-3	11.90 kA
Rated short-time withstand current I _{cs} 1s IEC 60947	7 kA

Architecture

Number of poles	4
Control/operation element	Long rotary handle
Device construction type	Fixed built-in
Type of pole	4P

Dimensions

Height	135 mm
Width	120 mm
Depth	170 mm

Cover, door

Interlockable	Yes
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Safety

Ingress Protection (IP) class	IP00
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Connection

Cross-section rigid conductor	50 mm ² max.
Cross-section flexible conductor	50 mm ²

Voltage

Rated insulation voltage U _i	800 V
Rated impulse withstand voltage U _{imp}	8000 V
Rated operational voltage U _e	380 - 415 V

Power

Power loss per pole at I _n	1.80 W
Total power loss under I _N	5.40 W
Rated operational power under 400 V AC AC1	82000 W
Rated operational power under 400 V AC AC23	56000 W

Controls and indicators

Motor drive integrated	No
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Use conditions

Operating temperature	-20 - 70 °C
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Frequency

Frequency	50 - 60 Hz
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Functions

Is reversing switch	No
Version as emergency stop installation	No
Version as main switch	Yes
Version as maintenance/service switch	Yes

Functions

Version as safety switch	Yes
Version as switch disconnecter compact	Yes

Equipment

Motor drive optional	No
Number of auxiliary contacts as change-over contact	0
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0

Installation, mounting

Nominal tightening torque	9 - 9.9 Nm
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Sustainability

Halogen free	Yes
REACH-SVHC free	Yes
RoHS conform	Yes