



HA452

## Load break switch 4P 160A

### 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	160 A
Acceptable current rating with AC22 category A	160 A
Cut off current	20 kA
Rated current	160 A
Short-circuit current with gI-gG fuses	50 kA
Rated short-time withstand current 1s	7 kA
Thermal rated current outside of housings	160 A
Rated operational current in AC21 category A	160 A
Rated operational current in AC23 category A	160 A
Acceptable current rating with AC23 category B	160 A
Conventional thermal current under enclosure at 40°C	160 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 I <sub>N</sub>	9 W
Power loss per pole at I <sub>N</sub>	3 W
Contact rating with 400 V in AC1	105 kW
<b>Cover, door</b>	
Interlockable	Yes
<b>Installation, mounting</b>	
Tightening torque	9 - 9.9 Nm
Fixation type	Back plate mounting
<b>Connection</b>	
Connection cross-sect. rigid cable	95mm <sup>2</sup>
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
Width available for insulation connection	95 mm <sup>2</sup>
Motor drive optional	No
<b>Standards</b>	
Standard text	IEC 60947-3
<b>Safety</b>	
REACH conform	Yes
RoHS conform	Yes
Halogen free	Yes
<b>Use conditions</b>	
Operating temperature	-20...70 °C