



HA452

### Load break switch 4P 160A

#### Technical Features

##### Electric current

Rated current	160 A
Rated short-time withstand current I <sub>cs</sub> IEC 60947	7 kA
Acceptable current rating AC21	160 A
Acceptable current rating AC21 category A	160 A
Acceptable current rating AC21 category B	160 A
Acceptable current rating AC22 category A	160 A
Acceptable current rating AC23 category A	160 A
Acceptable current rating AC23 category B	160 A
Rated short-circuit making capacity I <sub>cm</sub> under 415 V AC according to IEC 60947-3	11.90 kA
Rated short-time withstand current I <sub>cs</sub> 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	95 mm <sup>2</sup>
Cross-section flexible conductor	95 mm <sup>2</sup>

##### Voltage

Rated insulation voltage U <sub>i</sub>	800 V
Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated operational voltage U <sub>e</sub>	380 - 415 V

##### Power

Power loss per pole at I <sub>n</sub>	3 W
Total power loss under I <sub>N</sub>	9 W
Rated operational power under 400 V AC AC1	105000 W
Rated operational power under 400 V AC AC23	72000 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
Version as safety switch	Yes
Version as switch disconnecter compact	Yes

# Product Datasheet

## HA452

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<b>Equipment</b>	
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

<b>Installation, mounting</b>	
Nominal tightening torque	9 - 9.9 Nm

<b>Sustainability</b>	
Halogen free	Yes
REACH-SVHC free	Yes
RoHS conform	Yes