

Product Datasheet

HAE416



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Load break switch visible break. 4P 160A

Technical Features

Electric current

Rated current	160 A
Acceptable current rating AC21	160 A
Acceptable current rating AC21 category B	160 A
Acceptable current rating AC22 category B	160 A
Acceptable current rating AC23 category A	125 A
Acceptable current rating AC23 category B	160 A
Rated short-circuit making capacity I _{cm} under 415 V AC according to IEC 60947-3	7 kA
Rated short-time withstand current I _{cs} 1s IEC 60947	4 kA
Rated short-time withstand current I _{cs} IEC 60947	4 kA

Architecture

Type of pole	4P
Number of poles	4

Connection

Cross-section rigid conductor	70 mm ²
Cross-section flexible conductor	70 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	7.50 W
Total power loss under I _N	30 W
Rated operational power under 400 V AC AC1	105000 W
Rated operational power under 400 V AC AC23	56000 W

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

Use conditions

Operating temperature	-20 - 70 °C
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Cover, door

Interlockable	Yes
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Safety

Ingress Protection (IP) class	IP20
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Architecture

Control/operation element	Short rotary handle
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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

Installation, mounting

Nominal tightening torque	4 - 4.4 Nm
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Capacity

Number of modules	7.71
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Connectivity

Type of connection	Screw terminal
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Dimensions

Height	84 mm
Width	135 mm
Depth	132 mm

Sustainability

REACH-SVHC free	Yes
RoHS conform	Yes

Illustrations | Drawings

