



HAC410

Load break switch 4P 100A

Technical Features

Electric current

Rated current I_N	100 A
Acceptable current rating AC21	100 A
Acceptable current rating AC21 category A	100 A
Acceptable current rating AC21 category B	100 A
Acceptable current rating AC22 category A	100 A

Architecture

Type of pole	4P
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Electric current

Acceptable current rating AC22 category B	100 A
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Architecture

Control/operation element	Short rotary handle
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Electric current

Acceptable current rating AC23 category A	100 A
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Architecture

Neutral position	Without neutral
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Electric current

Acceptable current rating AC23 category B	100 A
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Architecture

Number of poles	4
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Electric current

Rated short-circuit making capacity I_{cm} under 415 V AC according to IEC 60947-3	2.1 kA
Rated short-time withstand current I_{cw} 1s IEC 60947	1.50 kA
Rated short-time withstand current I_{cw} $t=1s$ 380 - 415 V AC according to IEC 60947 - 3	1.50 kA
Rated conditional short-circuit current I_{cc} with gl-gG fuses	25 kA

Connection

Cross-section rigid conductor	35 mm ²
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Voltage

Rated insulation voltage U_i	800 V
Rated impulse withstand voltage U_{imp}	8000 V
Rated operational voltage U_e	380 - 415 V
Type voltage supply	AC

Power

Power loss per pole at I_N	4 W
Power dissipation at I_N	16 W
Rated operational power under 400 V AC AC1	65000 W
Rated operational power under 400 V AC AC23	36000 W

Installation, mounting

Nominal tightening torque	3.5 - 3.85 Nm
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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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Frequency

Frequency	50 - 50 Hz
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Connectivity

Type of connection	Screw terminal
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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

Equipment

Sealable	Yes
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Capacity

Number of modules	4
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Sustainability

REACH-SVHC free	Yes
RoHS conform	Yes

Submitted by TECO Group