



HCD631H

Switch h630 4P 630A

Technical properties

Architecture

Type of order	Toggle
Neutral position	left
Number of poles	4 P
Type of pole	4 P

Functions

Reversing switch	No
Trip Unit	SWITCH

Main electrical features

Rated operational voltage Ue	220 / 690 V
Frequency	50/60 Hz

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV

Electric current

Rated current	630 A
Rated operational current in AC21	630 A

Current correction factors

Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	1
Correction factor of rating current for 4 and 5 devices placed side-by-side	1
Correction factor of rating current for 6 devices placed side-by-side	1

Power

Total power loss under I _N	150 W
Power loss per pole at I _N	50 W
Contact rating with 400 V in AC1	414 kW

Tripping

Time of response when opening	10 ms
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Endurance

Electric endurance in number of cycles	4500
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Number of mechanical operations

15000

Cover, door

Interlockable Yes

Materials

Toggle colour Black

Connection

Connection cross-sect. flexible conductor 35 / 240mm²

Connection cross-sect. rigid cable 35 / 240mm²

Connection Front connection

Type of connection Terminal

Equipment

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

Motor drive optional Yes

Use cases

Category of use A

Standards

Standard text IEC 60947-3

European directive WEEE concerned

Safety

Protection index IP IP4X

Use conditions

Operating temperature -25...70 °C

Degree of pollution according to IEC 60664 / IEC 60947-2 3

Altitude 2000 m

Air humidity protection 85% / 50°C

Storage/transport temperature -35...70 °C