



HCD631H

Switch h630 4P 630A

Technical properties

Architecture

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
Number of mechanical operations	15000

Cover, door	
Interlockable	Yes
Materials	
Toggle colour	Black
Connection	
Connection cross-sect. rigid cable	35 / 240mm ²
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	
RoHS conform	Yes
Halogen free	Yes
Use conditions	
Operating temperature	-25...70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
Storage/transport temperature	-35...70 °C