



HCD631H

## Switch h630 4P 630A

### Technical characteristics

#### 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 $U_e$	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
-------------------------------	-------

#### Endurance

Electric endurance in number of cycles	4500
--	------

**Cover, door**

Interlockable	Yes
---------------	-----

**Materials**

Toggle colour	Black
---------------	-------

**Connection**

Connection cross-sect. flexible conductor	35 / 240mm <sup>2</sup>
---	-------------------------

Connection cross-sect. rigid cable	35 / 240mm <sup>2</sup>
------------------------------------	-------------------------

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
---------------	-------------

**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
----------	--------

Air humidity protection	85% / 50°C
-------------------------	------------

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