



HCD631H

Switch h630 4P 630A

Product Datasheet

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

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

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8000 V

Electric current

Rated operational current in AC21	630 A
Rated short-circuit making capacity I _{cm} under 240V AC according IEC 60947-3	9 kA
Rated short-circuit making capacity I _{cm} under 415V AC according IEC 60947-3	9 kA
Rated short-circuit making capacity I _{cm} under 690V AC according IEC 60947-3	9 kA

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

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

Tripping

Time of response when opening	10 ms
-------------------------------	-------

Endurance

Electric endurance in number of cycles	4500
Number of mechanical operations	15000

Cover, door

Interlockable	yes
---------------	-----

Materials

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

Installation, mounting

Tightening torque	22Nm
-------------------	------

Connection

Connection cross-sect. rigid cable	35 / 240mm ²
Connection cross-sect. flexible conductor	35 / 240mm ²
Connection	Front connection
Type of connection	Terminal

Equipment

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

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
Storage temperature	-35 to 70 °C
Air humidity protection	85% / 50°C