



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**

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
Rated short-circuit making capacity I <sub>cm</sub> under 240V AC according IEC 60947-3	9 kA
Rated short-circuit making capacity I <sub>cm</sub> under 415V AC according IEC 60947-3	9 kA
Rated short-circuit making capacity I <sub>cm</sub> 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**

Total power loss under I <sub>N</sub>	150 W
Power loss per pole at I <sub>N</sub>	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
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**Materials**

Toggle colour	Black
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**Installation, mounting**

Tightening torque	22Nm
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**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**

Motor drive optional	yes
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**Use cases**

Category of use	A
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**Standards**

Standard text	IEC 60947-3
European directive WEEE	concerned

**Safety**

Protection index IP	IP4X
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**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