



HCW631AR

Load Break Switch Disconnecter h3+ P630 4P 630A FTC

Technical characteristics

Architecture

Type of order	Toggle
Neutral position	left
Number of poles	4 P
Type of pole	4 P
Type of case	Fixed built-in

Functions

Reversing switch	No
Version as main switch	Yes
Version as emergency stop installation	Yes
Version as safety switch	No
Version as maintenance-/service switch	Yes
Trip Unit	SWITCH
Concurrently switching N-neutral	Yes

Controls and indicators

Motor drive integrated	No
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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 short-time withstand current I _{cw}	7.6 kA
Rated short-time withstand current I _{cw} t=1s 660-690 V AC according IEC 60947-3	7.6 kA
Rated short-time withstand current I _{cw} t=1s 220-240 V AC according IEC 60947-3	7.6 kA
Rated short-time withstand current I _{cw} t=1s 380-415 V AC according IEC 60947-3	7.6 kA
Rated operational current in AC21	630 A

Dimensions

Depth of installed product	150 mm
Height of installed product	260 mm

Width of installed product 185 mm

Frequency

Frequency 50 to 60 Hz

Power

Total power loss under IN 176.3 W

Power loss per pole at In 58.8 W

Cover, door

Interlockable Yes

Materials

Toggle colour Grey

Installation, mounting

Tightening torque 18Nm

DIN rail mounting with optional adaptor No

Suitable for front mounting center No

Suitable for front mounting No

Suitable for ground mounting Yes

Connection

Connection Front connection

Type of connection Terminal

Cable

Cable Material Cu / Al

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

Can be accessorized Yes

Use cases

Category of use A

Use

Vibrations and shocks withstand IEC 68068-2-52 Test FC

Standards

Standard text IEC 60947-3

Safety

REACH conform Yes

RoHS conform Yes

Halogen free No

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m

temperatur

Temp.-rise limits for access. parts (toggle) according to product standard	25 K
Temp.-rise limits for access. parts (not touched) according to product standard	50 K
Temp.rise limits for access. parts (to be touched) according to product standard	40 K
Temperature-rise limits for terminals according to the product standard	65 K
