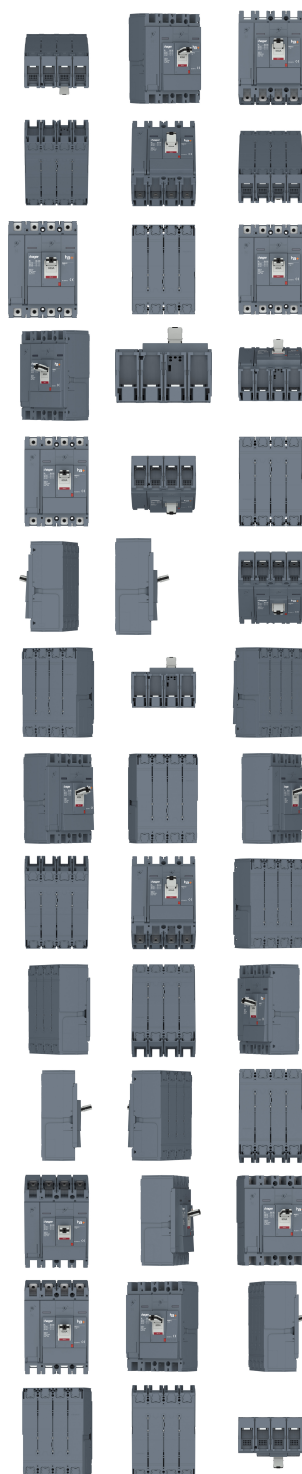




HCW631AR



## 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
------------------------	----

#### Main electrical features

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

#### Voltage

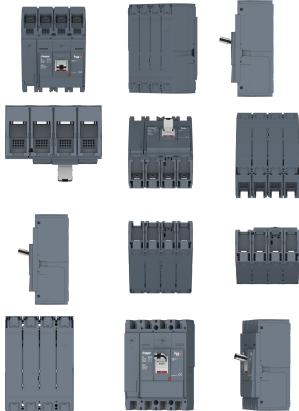
Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV

#### Electric current

Rated current	630 A
Rated short-time withstand current Icw	7.6 kA
Rated short-time withstand current Icw t=1s 660-690 V AC according IEC 60947-3	7.6 kA
Rated short-time withstand current Icw t=1s 220-240 V AC according IEC 60947-3	7.6 kA
Rated short-time withstand current Icw 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	58.7 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
---------------	-------------

European directive WEEE	concerned
-------------------------	-----------

### 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