



HCW630AR

**Load Break Switch Disconnecter h3+ P630 3P 630A FTC**

**Technical characteristics**

**Architecture**

Type of order	Toggle
Neutral position	without neutral
Number of poles	3 P
Type of pole	3 P
Fixing mode	fixing plate
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

**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 <sub>cw</sub>	7.6 kA
Rated short-time withstand current I <sub>cw</sub> t=1s 660-690 V AC according IEC 60947-3	7.6 kA
Rated short-time withstand current I <sub>cw</sub> t=1s 220-240 V AC according IEC 60947-3	7.6 kA
Rated short-time withstand current I <sub>cw</sub> 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 140 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

European directive WEEE concerned

### Safety

Protection index IP IP4X

REACH conform Yes

RoHS conform	Yes
Halogen free	No
<b>Use conditions</b>	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
<b>temperatur</b>	
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