



HCW631AR

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

Technical properties

Architecture

Type of order	Toggle
Neutral position	left
Number of poles	4 P
Type of pole	4 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
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
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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
European directive WEEE	concerned
Safety	
Protection index IP	IP4X

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