



HCS160AC

Load Break Switch Disconnecter h3+ P160 3P 160A CTC

Technical characteristics

Architecture

Type of order	Toggle
Neutral position	without neutral
Number of poles	3 P
Type of pole	3 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

Controls and indicators

Motor drive integrated	No
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Main electrical features

Rated operational voltage U_e	220 / 690 V
Type of supply voltage	AC
Frequency	50/60 Hz

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV

Electric current

Rated current	160 A
Rated short-time withstand current I_{cw}	2 kA
Rated short-time withstand current I_{cw} $t=1s$ 660-690 V AC according IEC 60947-3	2 kA
Rated short-time withstand current I_{cw} $t=1s$ 220-240 V AC according IEC 60947-3	2 kA
Rated short-time withstand current I_{cw} $t=1s$ 380-415 V AC according IEC 60947-3	2 kA
Rated operational current in AC21	160 A

Dimensions

Depth of installed product	97 mm
Height of installed product	130 mm

Width of installed product 90 mm

Frequency

Frequency 50 to 60 Hz

Power

Total power loss under IN 42.3 W

Power loss per pole at In 14.1 W

Endurance

Electric endurance in number of cycles 10000

Number of mechanical operations 40000

Cover, door

Interlockable Yes

Materials

Toggle colour Grey

Installation, mounting

Tightening torque 6Nm

DIN rail mounting with optional adaptor Yes

Suitable for front mounting center No

Suitable for front mounting No

Suitable for ground mounting Yes

Connection

Connection cross-sect. flexible conductor 6 / 70mm²

Connection cross-sect. rigid cable 6 / 95mm²

Connection Front connection

Type of connection with screw

Cable

Cable Material Cu

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 No

Can be accessorized Yes

Use cases

Category of use A

Use

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

Standards

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
Air humidity protection	95%HR 55°C sev Kn (IEC 68-2-30/52)

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
