



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
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
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 Icw	2 kA
Rated short-time withstand current Icw t=1s 660-690 V AC according IEC 60947-3	2 kA
Rated short-time withstand current Icw t=1s 220-240 V AC according IEC 60947-3	2 kA
Rated short-time withstand current Icw 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
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Height of installed product	130 mm
Width of installed product	90 mm
<b>Frequency</b>	
Frequency	50 to 60 Hz
<b>Power</b>	
Total power loss under IN	42.3 W
Power loss per pole at In	14.1 W
<b>Endurance</b>	
Electric endurance in number of cycles	10000
Number of mechanical operations	40000
<b>Cover, door</b>	
Interlockable	Yes
<b>Materials</b>	
Toggle colour	Grey
<b>Installation, mounting</b>	
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
<b>Connection</b>	
Connection cross-sect. flexible conductor	6 / 70mm <sup>2</sup>
Connection cross-sect. rigid cable	6 / 95mm <sup>2</sup>
Connection	Front connection
Type of connection	with screw
<b>Cable</b>	
Cable Material	Cu
<b>Equipment</b>	
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
<b>Use cases</b>	
Category of use	A
<b>Use</b>	
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
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