



HCS160AC

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

### Technical properties

#### Architecture

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
Height of installed product	130 mm

Width of installed product	90 mm
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### Frequency

Frequency	50 to 60 Hz
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### Power

Total power loss under IN	42.3 W
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Power loss per pole at In	14.1 W
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### Endurance

Electric endurance in number of cycles	10000
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Number of mechanical operations	40000
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### Cover, door

Interlockable	Yes
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### Materials

Toggle colour	Grey
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### Installation, mounting

Tightening torque	6Nm
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DIN rail mounting with optional adaptator	Yes
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Suitable for front mounting center	No
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Suitable for front mounting	No
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Suitable for ground mounting	Yes
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### Connection

Connection cross-sect. rigid cable	6 / 95mm <sup>2</sup>
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Type of connection	with screw
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### Cable

Cable Material	Cu
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### Equipment

Number of auxiliary contacts as normally closed contact	0
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Number of auxiliary contacts as normally open contact	0
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Number of auxiliary contacts as change-over contact	0
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Motor drive optional	No
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Can be accessorized	Yes
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### Use

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

European directive WEEE	concerned
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### Safety

REACH conform	Yes
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RoHS conform	Yes
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Halogen free	No
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**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