

## Switch X160 3P 160A

### Architecture

Type of order	Toggle
Type of case	Fixed built-in
Neutral position	without neutral
Number of poles	3 P
Type of pole	3 P

### Functions

Reversing switch	no
Trip Unit	SWITCH

### Controls and indicators

Motor drive integrated	no
------------------------	----

### Main electrical features

Frequency	50/60 Hz
Rated operational voltage Ue	220/415 V

### Voltage

Rated insulation voltage	690 V
Rated impulse withstand voltage	8000 V

### Electric current

Rated operational current in AC21	160 A
Rated short-time withstand current I <sub>cw</sub>	2 kA
Rated short-time withstand current 0.3S	2 kA
Rated short-time withstand current 1s	2 kA

### Current correction factors

Correction factor of rating current for 2 devices placed 1 side-by-side
Correction factor of rating current for 3 devices placed 1 side-by-side
Correction factor of rating current for 4 and 5 devices 1 placed side-by-side
Correction factor of rating current for 6 devices placed 1 side-by-side

### Power

Contact rating with 400 V in AC1	105 kW
Power loss per pole at I <sub>n</sub>	14,6 W
Total power loss under I <sub>N</sub>	43,8 W

### Tripping

Time of response when opening	10 ms
-------------------------------	-------

#### Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

#### Cover, door

Interlockable	yes
---------------	-----

#### Materials

Toggle colour	Black
---------------	-------

#### Installation, mounting

Tightening torque	6Nm
-------------------	-----

#### Connection

Connection cross-sect. rigid cable	4 / 95mm <sup>2</sup>
Connection cross-sect. flexible conductor	4 / 70mm <sup>2</sup>
Type of connection	with screw

#### Equipment

Motor drive optional	no
----------------------	----

#### Use cases

Category of use	A
-----------------	---

#### Standards

Standard text	IEC 60947-3
European directive WEEE	concerned

#### Safety

Protection index IP	IP4X
---------------------	------

#### Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
Storage temperature	-35 to 70 °C
Air humidity protection	95%HR 55°C sev Kn (IEC 68-2-30/52)