



HCF990H

## Switch h1600 3P 1600A

### Technical properties

#### Architecture

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

#### Functions

Reversing switch	No
Trip Unit	SWITCH

#### Main electrical features

Rated operational voltage U <sub>e</sub>	220 / 690 V
Frequency	50/60 Hz

#### Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV

#### Electric current

Rated current	1600 A
Rated operational current in AC21	1600 A

#### Current correction factors

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

#### Power

Total power loss under I <sub>N</sub>	168.9 W
Power loss per pole at I <sub>N</sub>	56.3 W
Contact rating with 400 V in AC1	1053 kW

#### Tripping

Time of response when opening	10 ms
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#### Endurance

Electric endurance in number of cycles	4500
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Number of mechanical operations	15000
<b>Cover, door</b>	
Interlockable	Yes
<b>Materials</b>	
Toggle colour	Black
<b>Connection</b>	
Connection cross-sect. flexible conductor	3x240mm <sup>2</sup>
Connection cross-sect. rigid cable	3x240mm <sup>2</sup>
Connection	Front connection
Type of connection	Terminal
<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	Yes
<b>Use cases</b>	
Category of use	A
<b>Standards</b>	
Standard text	IEC 60947-3
European directive WEEE	concerned
<b>Safety</b>	
Protection index IP	IP4X
<b>Use conditions</b>	
Operating temperature	-25...70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
Air humidity protection	85% / 50°C
Storage/transport temperature	-35...70 °C