



Switch h1600 3P 1600A

HCF990H

#### 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
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#### Main electrical features

Frequency	50/60 Hz
Rated operational voltage Ue	220/690 V

#### Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8000 V

#### Electric current

Rated operational current in AC21	1600 A
Rated short-circuit making capacity Icm under 240V AC according IEC 60947-3	45 kA
Rated short-circuit making capacity Icm under 415V AC according IEC 60947-3	45 kA
Rated short-time withstand current Icw	20 kA
Rated short-time withstand current 0.3S	20 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	

#### Technical Properties

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	1053 kW
Power loss per pole at I <sub>n</sub>	56,3 W
Total power loss under I <sub>N</sub>	168,9 W

#### Tripping

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

Electric endurance in number of cycles	4500
Number of mechanical operations	15000

#### Cover, door

Interlockable	yes
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#### Materials

Toggle colour	Black
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#### Installation, mounting

Tightening torque	65Nm
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#### Connection

Connection cross-sect. rigid cable	3x240mm <sup>2</sup>
Connection cross-sect. flexible conductor	3x240mm <sup>2</sup>
Connection	Front connection
Type of connection	Terminal

#### Equipment

Motor drive optional	yes
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#### Use cases

Category of use	A
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#### Standards

Standard text	IEC 60947-3
European directive WEEE	concerned

#### Safety

Protection index IP	IP4X
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#### Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
Storage temperature	-35 to 70 °C

Technical Properties	
Air humidity protection	85% / 50°C