



Switch h1600 3P 1600A

HCF990H

Architecture

Type of order	Toggle
Type of case	Fixed built-in
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-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	
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

Power loss per pole at I _n	56,3 W
Total power loss under I _N	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 ²
Connection cross-sect. flexible cable	3x240mm ²
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 RoHs	voluntary compliance
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
Air humidity protection	85% / 50°C