



Switch h1000 3P 1000A

HCE970H

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	1000 A
Rated short-circuit making capacity I _{cm} under 240V AC according IEC 60947-3	20 kA
Rated short-circuit making capacity I _{cm} under 415V AC according IEC 60947-3	20 kA
Rated short-time withstand current I _{cw}	10 kA
Rated short-time withstand current 0.3S	10 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 placed side-by-side 1

Correction factor of rating current for 6 devices placed side-by-side 1

Power

Contact rating with 400 V in AC1	658 kW
Power loss per pole at I _n	62 W
Total power loss under I _N	186 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	2x240mm ²
Connection cross-sect. flexible conductor	2x240mm ²
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
