

### h3 MCCB h1000 3x630A Plug In 70kA

#### Technische Merkmale

##### Architecture

Type of order	Toggle
Type of case	PLUG-IN
Number of poles	3 P
Type of pole	3P3D

##### Functions

Complete device with protection unit	yes
Trip Unit	LSI
Integrated earth fault protection	no

##### Compatibility

Compatible with DIN rail mounting	no
-----------------------------------	----

##### Controls and indicators

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

##### 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
With under voltage release	no

##### Electric current

Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	70 kA
Rated service breaking capacity Ics AC according IEC 60947-2	71 %
Breaking capacity on 1 pole with 230 V NF 60947-2	60 kA
Breaking capacity on 1 pole with 400 V NF 60947-2	9 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	20 kA
Thermal protection nob setting xIN	0,4/0,5/0,63/0,9/0,95/1

### 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

Power loss per pole at $I_n$	30 W
Power loss per pole at $0.63 \cdot I_n$	11,9 W
Power loss per pole at $0.8 \cdot I_n$	19,2 W
Total power loss under $I_n$	90 W
Total power loss at $0.63 \cdot I_n$	35,7 W
Total power loss at $0.8 \cdot I_n$	57,6 W

### Tripping

Trip mode	LSI
Thermal protection trip time	5/10/11/19/21/29 ms
Time of response when opening	10 ms

### Electrical specifications

Magnetic trip delay time	100 to 200 ms
--------------------------	---------------

### Endurance

Electric endurance in number of cycles	1000
Number of mechanical operations	4000

### Installation, mounting

Tightening torque	65 Nm
DIN rail mounting with optional adaptator	no

### Connection

Connection cross-sect. rigid cable	2x240 mm <sup>2</sup>
Connection cross-sect. flexible conductor	2x240 mm <sup>2</sup>
Connection	Front connection
Type of connection	Terminal

### Settings

Magnetic protection nob setting $\times I_n$	2,5/5/10
Setting type $I_n$ or $I_{th}$	$I_r I_{th}$
Range of the magnetic adjustment	3500/4410/5600/7000/7560/7560/7560 A

### Equipment

Motor drive optional	yes
----------------------	-----

<b>Use cases</b>	
Category of use	A
<b>Standards</b>	
Standard text	IEC 60947-2
European directive WEEE	concerned
<b>Safety</b>	
Protection index IP	IP4X
<b>Use conditions</b>	
Altitude	2000 m
Storage temperature	-35 to 70 °C
Air humidity protection	for all climates