# 33221

circuit breaker basic frame, ComPact NS 630bH, 70 kA at 415 VAC, 630 A, fixed, manually operated, without trip unit, 3 P





#### Main

Range of product ComPact NS630b1600  Device short name Compact NS630bH  Product or component type  Device application Distribution  Number of poles 3P  [In] rated current 630 A at 50 °C  [Ue] rated operational voltage  Network type AC  Network frequency 50/60 Hz  Suitability for isolation Yes conforming to EN/IEC 60947-2  Utilisation category Category B  [Icu] rated ultimate short-circuit breaking capacity 42 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  70 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2  Ferformance level H 70 kA 415 V AC  Control type Toggle Rotary handle  Mounting mode Fixed	Range	ComPact
Product or component type  Device application  Distribution  Number of poles  [In] rated current  630 A at 50 °C  [Ue] rated operational voltage  Network type  AC  Network frequency  Suitability for isolation  Ves conforming to EN/IEC 60947-2  Utilisation category  Category B  [Icu] rated ultimate short-circuit breaking capacity  AS KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2  Ferformance level  H 70 kA 415 V AC  Control type  Toggle  Rotary handle	Range of product	ComPact NS630b1600
Type  Device application  Distribution  Number of poles  3P  [In] rated current  630 A at 50 °C  [Ue] rated operational voltage  Network type  AC  Network frequency  Suitability for isolation  Utilisation category  Category B  [Icu] rated ultimate short-circuit breaking capacity  AS KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2  Ferformance level  H 70 kA 415 V AC  Control type  Toggle  Rotary handle	Device short name	Compact NS630bH
Number of poles  [In] rated current  630 A at 50 °C  [Ue] rated operational voltage  Network type  AC  Network frequency  Suitability for isolation  Utilisation category  [Icu] rated ultimate short-circuit breaking capacity  AE KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2  Ferformance level  H 70 kA 415 V AC  Control type  Toggle  Rotary handle	•	Basic frame
[In] rated current  [Ue] rated operational voltage  Network type  AC  Network frequency  Suitability for isolation  Utilisation category  [Icu] rated ultimate short-circuit breaking capacity  AS KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  50 kA Icu at 300/525 V AC 50/60 Hz conforming to IEC 60947-2  Toggle Rotary handle	Device application	Distribution
[Ue] rated operational voltage  Network type  AC  Network frequency  Suitability for isolation  Utilisation category  [Icu] rated ultimate short-circuit breaking capacity  AS KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2  42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2  70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2  Performance level  H 70 kA 415 V AC  Control type  Toggle  Rotary handle	Number of poles	3P
Network type AC  Network frequency 50/60 Hz  Suitability for isolation Yes conforming to EN/IEC 60947-2  Utilisation category Category B  [Icu] rated ultimate short-circuit breaking capacity 42 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Toggle Rotary handle	[In] rated current	630 A at 50 °C
Network frequency  Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  [Icu] rated ultimate short-circuit breaking capacity  85 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2  Performance level  H 70 kA 415 V AC  Control type  Toggle Rotary handle		690 V AC 50/60 Hz
Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  Category B  [Icu] rated ultimate short-circuit breaking capacity  42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Toggle Rotary handle	Network type	AC
Utilisation category  [Icu] rated ultimate short-circuit breaking capacity  85 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Performance level  H 70 kA 415 V AC  Control type  Toggle Rotary handle	Network frequency	50/60 Hz
[Icu] rated ultimate short-circuit breaking capacity  85 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Performance level  H 70 kA 415 V AC  Control type  Toggle Rotary handle	Suitability for isolation	Yes conforming to EN/IEC 60947-2
Short-circuit breaking capacity  IEC 60947-2 42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Performance level  H 70 kA 415 V AC  Control type  Toggle Rotary handle	Utilisation category	Category B
Control type Toggle Rotary handle	short-circuit breaking	IEC 60947-2 42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to
Rotary handle	Performance level	H 70 kA 415 V AC
Mounting mode Fixed	Control type	
	Mounting mode	Fixed

#### Complementary

Complementary	
[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	30 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 40 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 50 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 50 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)
[lcw] rated short-time withstand current	19.2 kA 1 s conforming to IEC 60947-2
Integral instant protection	40 kA
Mechanical durability	10000 cycles conforming to IEC 60947-2
Electrical durability	2000 Cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 4000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 5000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Power losses	10 W
Mounting support	Backplate
Connection pitch	70 mm
Protection type	Without protection
Height (H)	327 mm
Width (W)	210 mm
Depth (D)	147 mm

### Environment

Standards	IEC 60947-2
Product certifications	ASTA LCIE ASEFA
Pollution degree	3 conforming to IEC 60947
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-5085 °C

# Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Weight	11.231 kg	
Package 1 Height	37 cm	
Package 1 width	39.5 cm	
Package 1 Length	23 cm	

## Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Compliant EEU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₽¥Yes
China RoHS Regulation	☐ China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

Warranty	18 months