Product datasheet

Specifications





Circuit breaker frame, ComPact NS800H, 70kA/415VAC, 800A, fixed, manually operated, without trip unit, 4P

33235

① Discontinued

() Discontinued on: 01-Nov-2020

ΝЛ	21	n
141	ai	

Range ComPact Range Of Product ComPact NS630b1600 Device Short Name Compact NS800H Product Or Component Type Basic frame Device Application Distribution Number Of Poles 4P Neutral Position Left [In] Rated Current 800 A at 50 °C [Ue] Rated Operational Voltage 690 V AC 50/60 Hz Network Type AC Network Frequency 50/60 Hz Suitability For Isolation Yes conforming to EN/IEC 60947-2 Utilisation Category Category B [loc] Rated Ultimate Short-Circuit 85 kA lou at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 #2 ka lou at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 55 kA lou at 330/415 V AC 50/60 Hz conforming to IEC 60947-2 #2 ka lou at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 55 kA lou at 330/415 V AC 50/60 Hz conforming to IEC 60947-2 #2 ka lou at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lou at 330/415 V AC 50/60 Hz conforming to IEC 60947-2 #2 ka lou at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lou at 330/415 V AC 50/60 Hz conforming to IEC 60947-2 #2 ka lou at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lou at 330/415 V AC 50/60 Hz conforming to IEC 60947-	Mann	
Device Short Name Compact NS800H Product Or Component Type Basic frame Device Application Distribution Number Of Poles 4P Neutral Position Left [In] Rated Current 800 A at 50 °C [Ue] Rated Operational Voltage 690 V AC 50/60 Hz 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 85 kA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 65 kA lcu at 460 / 680 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 380/415 V AC Performance Level H 70 kA 415 V AC Control Type Toggle Rotary handle	Range	ComPact
Product Or Component Type Basic frame Device Application Distribution Number Of Poles 4P Neutral Position Left [In] Rated Current 800 A at 50 °C [Ue] Rated Operational Voltage 690 V AC 50/60 Hz 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 85 kA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 42 kA lcu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 580/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60	Range Of Product	ComPact NS630b1600
Device Application Distribution Number Of Poles 4P Neutral Position Left [In] Rated Current 800 A at 50 °C [Ue] Rated Operational Voltage 690 V AC 50/60 Hz 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 85 kA locu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Breaking Capacity 65 kA locu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 65 kA locu at 420 V AC 50/60 Hz conforming to IEC 60947-2 56 kA locu at 4200 V AC 50/60 Hz conforming to IEC 60947-2 Performance Level H 70 kA 415 V AC Performance Level H 70 kA 415 V AC Control Type Toggle Rotary handle	Device Short Name	Compact NS800H
Number Of Poles 4P Neutral Position Left [In] Rated Current 800 A at 50 °C [Ue] Rated Operational Voltage 690 V AC 50/60 Hz 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 85 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 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 KA Icu at 400 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 400 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 70 kA Icu at 400 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 400 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 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	Product Or Component Type	Basic frame
Neutral Position Left [In] Rated Current 800 A at 50 °C [Ue] Rated Operational Voltage 690 V AC 50/60 Hz 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 85 kA lou at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 42 kA lou at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA lou at 440 V AC 50/60 Hz conforming to IEC 60947-2 65 kA lou at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lou at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lou at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lou at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lou at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lou at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lou at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lou at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lou at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lou at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA du to son 50/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA du to son 50/525 V AC 50/60 Hz conforming to IEC 60947	Device Application	Distribution
In Rated Current 800 A at 50 °C [Ue] Rated Operational Voltage 690 V AC 50/60 Hz 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 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 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 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 70 kA Icu at 300/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2	Number Of Poles	4P
[Ue] Rated Operational Voltage 690 V AC 50/60 Hz 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 85 kA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Breaking Capacity 85 kA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 65 kA lcu at 420 V AC 50/60 Hz conforming to IEC 60947-2 65 kA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 65 kA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 65 kA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 90 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 90 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 91 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 92 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 92 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 92 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 92 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 93 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2	Neutral Position	Left
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 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	[In] Rated Current	800 A at 50 °C
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 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 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 50 kA Icu at 500/525 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 50 kA Icu at 500/525 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 50 kA Icu at 500/525 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 50 kA Icu at 500/525 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 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2	[Ue] Rated Operational Voltage	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 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Breaking Capacity 85 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 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 Type	AC
Utilisation Category Category B [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 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
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 Performance Level H 70 kA 415 V AC Control Type Toggle Rotary handle	Utilisation Category	Category B
Control Type Toggle Rotary handle		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
Rotary handle	Performance Level	H 70 kA 415 V AC
Mounting Mode Fixed	Control Type	
	Mounting Mode	Fixed

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)
[Icw] 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	15 W	
Mounting Support	Backplate	
Connection Pitch	70 mm	
Protection Type	Without protection	
Height (H)	327 mm	
Width (W)	280 mm	
Depth (D)	147 mm	

Environment

Standards	IEC 60947-2
Product Certifications	ASEFA LCIE ASTA
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 Height	37.0 cm
Package 1 Width	38.0 cm
Package 1 Length	30.0 cm
Package 1 Weight	14.731 kg

Contractual warranty

Warranty

18 months

Sustainability Screen

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information