Product data sheet

Specifications

Green Premium™

circuit breaker Compact NS800N - Micrologic 5.0 A - 800 A - 3 poles 3t

33333

Discontinued on: Feb 17, 2024

End-of-service on: Mar 31, 2024

Discontinued

Main

Range	ComPact
Product Name	ComPact NS
Range Of Product	ComPact NS630b...1600
Device Short Name	Compact NS800N
Product Or Component Type	Circuit breaker
Device Application	Distribution
Number Of Poles	3P
Protected Poles Description	3D
(In) Rated Current Up To 65 °C	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	30 kA Icu at 660/690 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 440 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	N 50 kA 415 V AC
Trip Unit Name	MicroLogic 5.0 A
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LSI
Control Type	Rotary handle Toggle
Circuit Breaker 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

List Price displayed is VAT EXCLUSIVE.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Ics] Rated Service Short-Circuit Breaking Capacity	30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 40 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] Rated Short-Time Withstand Current	19.2 kA 1 s conforming to IEC 60947-2
Mechanical Durability	10000 cycles
Electrical Durability	2000 cycles at 690 V In 4000 cycles at 690 V In/2 5000 cycles at 440 V In 6000 cycles at 440 V In/2
Power Losses	15 W
Mounting Support	Backplate
Upside Connection	Front
Downside Connection	Front
Connection Pitch	70 mm
Protection Type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection
Trip Unit Rating	800 A at 50 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable 9 settings
[Ir] Long-Time Protection Pick-Up Adjustment Range	0.4...1 x In
Long-Time Protection Delay Adjustment Type Tr	Adjustable 9 settings
[Tr] Long-Time Protection Delay Adjustment Range	12.5…600 s at 1.5 x Ir 0.5…24 s at 6 x Ir 0.7…16.6 s at 7.2 x Ir
Thermal Memory	20 mn
Short-Time Protection Pick-Up Adjustment Type Isd	Adjustable 9 settings
[Isd] Short-Time Protection Pick-Up Adjustment Range	1.5...10 x Ir
Short-Time Protection Delay Adjustment Type Tsd	Adjustable
[Tsd] Short-Time Protection Delay Adjustment Range	0.1…0.4 s I^2t=on 0…0.4 s I^2t=off
Instantaneous Protection Pick-Up Adjustment Type Ii	Adjustable
[Ii] Instantaneous Protection Pick-Up Adjustment Range	Off 2...15 x In
Earth-Leakage Protection	Without
Zone Selective Interlocking Zsi	With
Auxiliary Contact Composition	1 NO/NC
Local Signalling	4 LEDs (red) for fault indication 1 LED (yellow) for overload
Display Type	LCD display
Type Of Measurement	Ammeter
Width (W)	210 mm
Height (H)	327 mm
Depth (D)	147 mm
Net Weight	14 kg

Environment

Standards	EN/IEC 60947-2
Product Certifications	ASTA 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	-25…70 °C
Ambient Air Temperature For Storage	-40…85 °C
Relative Humidity	0…95 %
Operating Altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	37.0 cm
Package 1 Width	39.5 cm
Package 1 Length	23.0 cm
Package 1 Weight	11.892 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 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

Rohs Exemption Information	Yes
Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
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