



Main

Range of product	NS630b...1600
Product or component type	Basic frame
Device short name	Compact NS800N
Device application	Distribution
Circuit breaker name	Compact NS800N
Poles description	3P
Network type	AC
Breaking capacity code	N
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B

Complementary

Network frequency	50/60 Hz
Control type	Motor mechanism Motor mechanism with external connector
Mounting mode	Drawout
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
[In] rated current	800 A (50 °C)
[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
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	800 A
Breaking capacity	Icu 30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Icu 40 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 22 kA 660/690 V AC 50/60 Hz electrical operation conforming to IEC 60947-2 Ics 37 kA 220/240 V AC 50/60 Hz electrical operation conforming to IEC 60947-2 Ics 37 kA 380/415 V AC 50/60 Hz electrical operation conforming to IEC 60947-2 Ics 37 kA 440 V AC 50/60 Hz electrical operation conforming to IEC 60947-2 Ics 30 kA 500/525 V AC 50/60 Hz electrical operation conforming to IEC 60947-2

Protection type	Without protection
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
Connection pitch	70 mm
[Icw] rated short-time withstand current	19.2 kA (1 s) conforming to IEC 60947-2
Integral instant protection	40 kA
Height	327 mm
Width	210 mm
Depth	147 mm

Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA LCIE
Power losses	30 W
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Pollution degree	3 conforming to IEC 60947
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Contractual warranty

Warranty period	18 months
-----------------	-----------