



Main

Range	Compact
Range of product	NS630b...1600
Product name	Compact NS
Product or component type	Basic frame
Device short name	Compact NS800L
Device application	Distribution
Circuit breaker name	Compact NS800L
Poles description	3P
Network type	AC
Breaking capacity code	L
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A

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 100 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 100 kA 500/525 V AC 50/60 Hz electrical operation conforming to IEC 60947-2 Ics 130 kA 440 V AC 50/60 Hz electrical operation conforming to IEC 60947-2 Ics 150 kA 220/240 V AC 50/60 Hz electrical operation conforming to IEC 60947-2

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 150 kA 380/415 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 3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 4000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection pitch	70 mm
Height	327 mm
Width	210 mm
Depth	147 mm
Compatibility code	NS800

Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA LCIE
Power losses	40 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
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