



Main

Circuit breaker name	Compact NS800N
Circuit breaker application	Distribution
Circuit breaker rating code	N
[In] rated current	800 A 50 °C
Poles description	3P
Protected poles description	3t
Breaking capacity	25 kA NEMA AB1 HIC 600 V AC 60 Hz 30 kA Icu IEC 60947-2 660/690 V AC 50/60 Hz 35 kA NEMA AB1 HIC 480 V AC 60 Hz 40 kA Icu IEC 60947-2 500/525 V AC 50/60 Hz 50 kA NEMA AB1 HIC 240 V AC 60 Hz 50 kA Icu IEC 60947-2 220/240 V AC 50/60 Hz 50 kA Icu IEC 60947-2 380/415 V AC 50/60 Hz 50 kA Icu IEC 60947-2 440 V AC 50/60 Hz
[Ics] rated service breaking capacity	30 kA IEC 60947-2 660/690 V AC 50/60 Hz 40 kA IEC 60947-2 500/525 V AC 50/60 Hz 50 kA IEC 60947-2 220/240 V AC 50/60 Hz 50 kA IEC 60947-2 380/415 V AC 50/60 Hz 50 kA IEC 60947-2 440 V AC 50/60 Hz
Trip unit name	Micrologic 2.0
Trip unit technology	Electronic
[Ui] rated insulation voltage	800 V IEC 60947-2 AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
[Ue] rated operational voltage	690 V IEC 60947-2 AC 50/60 Hz
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category B
Pollution degree	3 IEC 60947
Network type	AC
Network frequency	50/60 Hz
Protection type	Instantaneous short-circuit protection Overload protection (long time)

Complementary

Mounting mode	Fixed
Upside connection	Front
Downside connection	Front
Control type	Toggle
Mounting support	Backplate Rail
Local signalling	Positive contact indication
Mechanical durability	10000 cycles
Electrical durability	2000 cycles IEC 60947-2 690 V In AC 50/60 Hz 4000 cycles IEC 60947-2 690 V In/2 AC 50/60 Hz 5000 cycles IEC 60947-2 440 V In AC 50/60 Hz 6000 cycles IEC 60947-2 440 V In/2 AC 50/60 Hz
Circuit breaker CT rating	800 A
[Icw] rated short-time withstand current	19.2 kA
Long time pick-up adjustment type Ir	Adjustable

Long time pick-up adjustment range	0.4...1 x I _n
Long time delay adjustment type	Adjustable 9 settings
[Tr] long-time delay adjustment	0.7...16.6 s 7.2 x I _r 0.7...24 s 6 x I _r 12.5...600 s 1.5 x I _r
Thermal memory	20 mn
Instantaneous pick-up adjustment type I _i	Adjustable
Instantaneous pick-up adjustment range	1.5...10 x I _r
Integral instant protection	40 kA
Height	327 mm
Width	210 mm
Depth	147 mm

Environment

Standards	IEC 60947-2 NEMA AB1 HIC
Product certifications	ASEFA ASTA
IK degree of protection	IK07 EN 50102
IP degree of protection	IP40 IEC 60529
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
RoHS EUR conformity date	4Q2009
RoHS EUR status	Will be compliant