



Main

Range of product	NS630b...1600
Product or component type	Circuit breaker
Device short name	Compact NS1250H
Circuit breaker name	Compact NS1250H
Circuit breaker application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Breaking capacity code	H
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B
Trip unit name	Micrologic 5.0
Trip unit technology	Electronic
Trip unit rating	1250 A (50 °C)

Complementary

Network frequency	50/60 Hz
Control type	Rotary handle Toggle
Mounting mode	Fixed
Mounting support	Backplate Rail
Upside connection	Front
Downside connection	Front
[In] rated current	1250 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	1250 A
Breaking capacity	Icu 50 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 70 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 42 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 240 V AC 60 Hz conforming to NEMA AB1 HIC 50 kA at 600 V AC 60 Hz conforming to NEMA AB1 HIC 50 kA at 480 V AC 60 Hz conforming to NEMA AB1 HIC
[Ics] rated service breaking capacity	Ics 50 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 40 kA 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 30 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	10000 cycles
Electrical durability	5000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 4000 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 2000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2
Local signalling	Positive contact indication
[Icw] rated short-time withstand current	19.2 kA

Trip unit protection functions	Selective protection
Protection type	Instantaneous short-circuit protection Overload protection (long time) Short time short-circuit protection
Long time pick-up adjustment type I_r	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	12.5...600 s 1.5 x I_r 0.7...24 s 6 x I_r 0.7...16.6 s 7.2 x I_r
Thermal memory	20 mn
Short-time pick-up adjustment type I_{sd}	Adjustable 9 settings
[I_{sd}] short-time pick-up adjustment range	1.5...10 A
Short-time delay adjustment type	Adjustable 5 settings
[Tsd] short-time delay adjustment range	0.02...0.5 s
Instantaneous pick-up adjustment type I_i	Adjustable
Instantaneous pick-up adjustment range	2...15 x I_n Off
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
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