



Main

Range	Compact
Range of product	NS630b...1600
Product or component type	Circuit breaker
Product name	Compact NS
Device short name	Compact NS1250H
Circuit breaker name	Compact NS1250H
Device application	Distribution
Poles description	4P
Protected poles description	4t
Neutral position	Left
Network type	AC
Breaking capacity code	H
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B
Trip unit name	Micrologic 6.0
Trip unit technology	Electronic
Trip unit rating	1250 A (50 °C)

Complementary

Network frequency	50/60 Hz
Control type	Toggle Rotary handle
Mounting mode	Fixed
Mounting support	Backplate
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	65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2

70 kA Icu at 380/415 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
 42 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2

[Ics] rated service breaking capacity	Ics 52 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 31 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 37 kA 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 48 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 52 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Auxiliary contact composition	1 NO/NC
Mechanical durability	10000 cycles
Electrical durability	2000 cycles IEC 60947-2 690 V In AC 50/60 Hz 3000 cycles IEC 60947-2 690 V In/2 AC 50/60 Hz 4000 cycles IEC 60947-2 440 V In AC 50/60 Hz 5000 cycles IEC 60947-2 440 V In/2 AC 50/60 Hz
Local signalling	Positive contact indication
[Icw] rated short-time withstand current	19.2 kA
Neutral protection setting	Ir
Trip unit protection functions	LSIG
Protection type	Instantaneous short-circuit protection Overload protection (long time) Earth fault Short time short-circuit protection
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.4...1 x In
Long time delay adjustment type	Adjustable 9 settings
[Tr] long-time delay adjustment range	0.5...24 s 6 x Ir 0.7...16.6 s 7.2 x Ir 12.5...600 s 1.5 x Ir
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 x Ir
Short-time delay adjustment type	Adjustable
[T _{sd}] short-time delay adjustment range	0.1...0.4 s I ² t=on 0...0.4 s I ² t=off
Instantaneous pick-up adjustment type I _i	Adjustable
Instantaneous pick-up adjustment range	2...15 x In Off
Integral instant protection	40 kA
Ground-fault pick-up adjustment type	Adjustable 9 settings
[I _g] ground-fault pick-up adjustment range	0.3...1 x In for In ≤ 400 A 0.2...1 x In for 400 A < In < 1250 A 500...1200 A for In ≥ 1250 A
Ground-fault time delay adjustment type -tg	Adjustable
[T _g] ground-fault time delay adjustment range	0.1...0.4 s I ² t=on 0...0.4 s I ² t=off
Zone selective interlocking ZSI	With
Height	327 mm
Width	280 mm
Depth	147 mm
Compatibility code	NS1250

Environment

Standards	IEC 60947-2
Product certifications	ASTA ASEFA
Power losses	44 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

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