Product datasheet
Characteristics

33478
circuit breaker Compact NS1250N, 50 kA at 415 VAC, Micrologic 2.0 trip unit, 1250 A, fixed,3 poles 3d

Green Premium™

Main

Range	Compact
Range of product	NS630b...1600
Product or component type	Circuit breaker
Device short name	Compact NS1250N
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Breaking capacity code	N
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B
Trip unit name	Micrologic 2.0
Trip unit technology	Electronic
Trip unit rating	1250 A at 50 °C

Complementary

Network frequency	50/60 Hz
Control type	Rotary handle Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
(In) rated current up to 65 °C	1250 A at 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

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[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	1250 A
Breaking capacity	30 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 440 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 40 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 40 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Auxiliary contact composition	1 NO/NC
Mechanical durability	10000 cycles
Electrical durability	2000 cycles 690 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 conforming to IEC 60947-2 5000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Local signalling	Positive contact indication
[Icw] rated short-time withstand current	19.2 kA
Trip unit protection functions	LI
Protection type	Instantaneous short-circuit protection Overload protection (long time)
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	0.7…16.6 s 7.2 x Ir 12.5…600 s 1.5 x Ir 0.5…24 s 6 x Ir
Thermal memory	20 mn
Instantaneous pick-up adjustment type Ii	Adjustable
Instantaneous pick-up adjustment range	1.5...10 x Ir
Integrated instantaneous protection	40 kA
Height	327 mm
Width	210 mm
Depth	147 mm

Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA
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

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration

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	Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months