

33310

circuit breaker basic frame, ComPact NS
1600N, 50 kA at 415 VAC, 1600 A, fixed,
electrically operated, without trip unit, 3 P



Main

Range	ComPact
Range of product	ComPact NS630b...1600
Device short name	Compact NS1600N
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[In] rated current	1600 A at 50 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category B
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 50 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
Breaking capacity code	N 50 kA 415 V AC
Control type	Motor mechanism
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 KV conforming to IEC 60947-2
[Ics] rated service breaking capacity	30 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 22 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 37 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 37 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 37 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation)
[Icw] rated short-time withstand current	19.2 KA 1 s conforming to IEC 60947-2
Integral instant protection	40 KA
Mechanical durability	10000 Cycles conforming to IEC 60947-2
Electrical durability	5000 Cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 1000 Cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 2000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 2000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Power losses	74 W

Mounting support	Backplate
Connection pitch	70 Mm
Protection type	Without protection
Height	327 Mm
Width	210 Mm
Depth	147 Mm

Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA LCIE
Pollution degree	3 conforming to IEC 60947
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	20.699 Kg
Package 1 Height	25 Cm
Package 1 width	40 Cm
Package 1 Length	40 Cm

Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**