Product data sheet
Characteristics

33926
Circuit breaker, ComPact NS1600H, 70kA/415VAC, Micrologic 6.0 trip unit, 1600A, fixed, 3 poles 3d

Commercial status
End of Commercialisation : MAR 31, 2021

⚠ End of Commercialisation

Main

Range	ComPact
Product name	ComPact NS
Range of product	ComPact NS630b...1600
Device short name	Compact NS1600H
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Protected poles description	3D
[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	42 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 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 50 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	H 70 kA 415 V AC
Trip unit name	MicroLogic 6.0
Trip unit technology	Electronic
Trip unit protection functions	LSIG
Control type	Rotary handle Toggle
Mounting mode	Fixed

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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Complementary

[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
[Ics] rated service breaking capacity	30 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 37 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 37 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 22 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 37 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] rated short-time withstand current	19.2 KA 1 s conforming to IEC 60947-2
Mechanical durability	10000 Cycles
Electrical durability	1000 Cycles at 690 V In 2000 Cycles at 690 V In/2 2000 Cycles at 440 V In 5000 Cycles at 440 V In/2
Power losses	74 W
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	70 Mm
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault protection
Trip unit rating	1600 A at 50 °C
Long time pick-up adjustment type Ir	Adjustable 9 settings
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	12.5…600 S at 1.5 x Ir 0.5…24 S at 6 x Ir 0.7…16.6 S at 7.2 x Ir
Thermal memory	20 mn
Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable
[tsd] short-time delay adjustment range	0.1…0.4 S I^2t=on 0…0.4 S I^2t=off
Instantaneous pick-up adjustment type Ii	Adjustable
Instantaneous pick-up adjustment range	2...15 x In Off
Ground-fault pick-up adjustment type	Adjustable 9 settings
[Ig] 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
[tg] Ground-fault time delay adjustment range	0.1…0.4 S I^2t=on 0…0.4 S I^2t=off
Earth-leakage protection	Without
Zone selective interlocking ZSI	Without
Auxiliary contact composition	1 NO/NC
Local signalling	4 LEDs (red) for fault indication 1 LED (yellow) for overload
Width	210 Mm
Height	327 Mm
Depth	147 Mm
Net weight	14 Kg

Environment

Standards	EN/IEC 60947-2
Product certifications	ASEFA[RETURN]ASTA
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
Relative humidity	0…95 %
Operating altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Offer Sustainability

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

Product Life Status : End of commerc. - Block

33926 may be replaced by any of the following products:

C160H360FM

Circuit breaker, ComPacT NS1600H, 70kA at 415VAC, 3P, fixed, manually operated, MicroLogic 6.0 control unit, 160

Qty 1

Substitution date: |