

**33568**

prekidač Compact NS1600N – Micrologic 5,0 – 1600  
A – 3 pola 3t



### Glavno

Range	Compact
Range of product	NS630b...1600
Product or component type	Circuit breaker
Device short name	Compact NS1600N
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 5.0
Trip unit technology	Electronic
Trip unit rating	1600 A ( 50 °C )

### Komplementarno

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	1600 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	1600 A
Breaking capacity	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 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 660/690 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	Ics 30 kA 500/525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 37 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 37 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 22 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 37 kA 440 V AC 50/60 Hz conforming to IEC 60947-2
Auxiliary contact composition	1 NO/NC
Mechanical durability	10000 cycles
Electrical durability	5000 cycles IEC 60947-2 440 V In/2 AC 50/60 Hz 1000 cycles IEC 60947-2 690 V In AC 50/60 Hz 2000 cycles IEC 60947-2 440 V In AC 50/60 Hz 2000 cycles IEC 60947-2 690 V In/2 AC 50/60 Hz
Local signalling	Positive contact indication
[Icw] rated short-time withstand current	19.2 kA
Trip unit protection functions	LSI
Protection type	Instantaneous short-circuit protection

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i potpunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog. Niti društvo Schneider Electric Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

Overload protection (long time)  
Short time short-circuit protection

Long time pick-up adjustment type I <sub>r</sub>	Adjustable
Long time pick-up adjustment range	0.4...1 x I <sub>n</sub>
Long time delay adjustment type	Adjustable 9 settings
[t <sub>r</sub> ] long-time delay adjustment range	0.7...16.6 s 7.2 x I <sub>r</sub> 12.5...600 s 1.5 x I <sub>r</sub> 0.5...24 s 6 x I <sub>r</sub>
Thermal memory	20 mn
Short-time pick-up adjustment type I <sub>sd</sub>	Adjustable 9 settings
[I <sub>sd</sub> ] short-time pick-up adjustment range	1.5...10 x I <sub>r</sub>
Short-time delay adjustment type	Adjustable
[t <sub>sd</sub> ] short-time delay adjustment range	0.02...0.5 s
[t <sub>sd</sub> ] short-time delay adjustment range	0.1...0.4 s I <sup>2</sup> t=on 0...0.4 s I <sup>2</sup> t=off
Instantaneous pick-up adjustment type I <sub>i</sub>	Adjustable
Instantaneous pick-up adjustment range	2...15 x I <sub>n</sub> Off
Integral instant protection	40 kA
Zone selective interlocking ZSI	With
Height	327 mm
Width	210 mm
Depth	147 mm

## Okolina

standards	IEC 60947-2
product certifications	ASEFA ASTA
power losses	74 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

Green Premium product	Green Premium product
Compliant - since 1622 - Schneider Electric declaration of conformity	Compliant - since 1622 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations

## Contractual warranty

Warranty period	18 months
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