



## Main

Range	Compact
Product or component type	Earth leakage circuit breaker
Device short name	VigiCompact NSX250H
Device application	Distribution
Breaking capacity code	H 70 kA 415 V AC
Trip unit rating	100 A at 40 °C

## Complementary

Poles description	4P
Protected poles description	3t + N/2 3t 4t
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
[In] rated current	250 A at 40 °C
[Ui] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ue] rated operational voltage	440 V AC 50/60 Hz
Breaking capacity	100 kA Icu at 220/240 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 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2

Disclaimer: 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

Utilisation category	Category A
Mechanical durability	20000 cycles
Electrical durability	10000 cycles 440 V In conforming to IEC 60947-2 20000 cycles 440 V In/2 conforming to IEC 60947-2
Connection pitch	35 mm
Instantaneous pick-up	1.5...15 x In
Trip unit name	Micrologic 7.2 E
Trip unit technology	Electronic
Trip unit protection functions	LSIR
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection R : for earth-leakage protection
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
[Tr] long-time delay adjustment range	15...400 s at 1.5 x Ir 0.5...16 s at 6 x Ir 0.35...11 s at 7.2 x Ir
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I <sub>sd</sub>	Adjustable
[I <sub>sd</sub> ] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable
[T <sub>sd</sub> ] short-time delay pick-up	0...0.4 s
Instantaneous pick-up adjustment type I <sub>i</sub>	Adjustable
Earth-leakage protection class	Type A
Earth-leakage protection	Integrated
[I $\Delta$ N] residual earth-leakage sensitive adjustment	30 mA 100 mA 300 mA 500 mA 1 A 3 A 5 A
Earth leakage specific mode	OFF using the I $\Delta$ n rotary switch
Earth-leakage time delay type	Adjustable
[ $\Delta$ t] earth-leakage time delay pick-up adjustment range	0 ms 60 ms 150 ms 500 ms 1 s
Overvoltage category	Class II
Electrical shock protection class	Class II
Local signalling	LED 105 % I <sub>r</sub> LED 90 % I <sub>r</sub> LED ready
Height	161 mm
Width	140 mm
Depth	86 mm

## Environment

Standards	IEC 60947-2 UL 508 NEMA AB1 EN 60947-2
Product certifications	CCC CB EAC

IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Pollution degree	3 conforming to IEC 60664-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-55...85 °C
Net weight	2.8 kg

### Offer Sustainability

RECh Regulation	<a href="#">RECh Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
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
----------	-----------