

# Product data sheet

Specifications



## Circuit breaker ComPacT NSX400F, 36kA at 415VAC, MicroLogic 4.3-AB Vigi trip unit, 400A, 4 poles 4d

C40F44B400

### Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX400F
Product or component type	Earth leakage circuit breaker
Device application	Special application
Poles description	4P
Protected poles description	3t + N/2 3t 4t
Neutral position	Left
[In] rated current	400 A at 40 °C
[Ue] rated operational voltage	440 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 A
[Icu] rated ultimate short-circuit breaking capacity	85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	F 36 kA 415 V AC
Trip unit name	Micrologic 4.3 AB
Trip unit technology	Electronic
Trip unit protection functions	LSolR
Control type	Toggle
Circuit breaker mounting mode	Fixed

### Complementary

[Ui] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service short-circuit breaking capacity	85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2

<b>Mechanical durability</b>	15000 cycles
<b>Electrical durability</b>	6000 cycles at 440 V In 12000 cycles at 440 V In/2
<b>Power losses</b>	25.6 W
<b>Mounting support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Connection pitch</b>	45 mm
<b>Protection type</b>	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection R : for earth-leakage protection
<b>Trip unit rating</b>	400 A at 40 °C
<b>Long-time pick-up adjustment type Ir (thermal protection)</b>	Adjustable 9 settings
<b>[Ir] long-time protection pick-up adjustment range</b>	260...400 A
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>[Tr] long-time protection delay adjustment range</b>	11 s at 7.2 x Ir 16 s at 6 x Ir 400 s at 1.5 x Ir
<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time protection pick-up adjustment type Isd</b>	Adjustable
<b>[Isd] Short-time protection pick-up adjustment range</b>	1.5...10 x Ir
<b>Short-time protection delay adjustment type tsd</b>	Fixed
<b>[Tsd] Short-time protection delay adjustment range</b>	0.02 s
<b>Instantaneous protection pick-up adjustment type li</b>	Fixed
<b>[li] instantaneous protection pick-up adjustment range</b>	4800 A
<b>Earth-leakage protection</b>	Integrated
<b>Earth-leakage protection class</b>	Class A
<b>Earth-leakage protection sensivity adjustment type IΔn</b>	Adjustable
<b>[IΔn] earth-leakage protection sensivity adjustment range</b>	300 mA 500 mA 1 A 3 A 5 A 10 A
<b>Earth-leakage protection specific mode</b>	OFF using the IΔn rotary switch
<b>Earth-leakage protection time delay adjustment type Δt</b>	Adjustable
<b>[Δt] Earth-leakage protection time delay adjustment range</b>	0 ms 60 ms 150 ms 500 ms 1 s
<b>Neutral protection settings</b>	0.5 x Ir (3t + N/2) 1 x Ir (4t) No protection (3t)
<b>Zone selective interlocking ZSI</b>	Without

<b>Number of slots for electrical auxiliaries</b>	6 slot(s)
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
<b>Width (W)</b>	140 mm
<b>Height (H)</b>	161 mm
<b>Depth (D)</b>	86 mm
<b>Net weight</b>	2.4 kg

## Environment

<b>Standards</b>	EN/IEC 60947
<b>Product certifications</b>	CCC EAC Marine
<b>Overvoltage category</b>	Class II
<b>Electrical shock protection class</b>	Class II
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C
<b>Relative humidity</b>	0...95 %
<b>Operating altitude</b>	0...2000 m without derating 2000 m...5000 m with derating

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	2.78 kg
<b>Package 1 Height</b>	16 cm
<b>Package 1 width</b>	25.5 cm
<b>Package 1 Length</b>	18 cm
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	4
<b>Package 2 Weight</b>	11.886 kg
<b>Package 2 Height</b>	30 cm
<b>Package 2 width</b>	30 cm
<b>Package 2 Length</b>	40 cm

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes

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<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>PVC free</b>	Yes
<b>Halogen content performance</b>	Halogen free plastic parts product
<b>California proposition 65</b>	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

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