Product datasheet

Specification





Circuit breaker, ComPacT NSX400F, 36kA/415VAC, 3 poles, MicroLogic Vigi 4.3 trip unit 400A

C40F34V400

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	Distribution	
Poles Description	3P	
Protected Poles Description	3D	
[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	40 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 30 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2	
Performance Level	F 36 kA 415 V AC	
Trip Unit Name	MicroLogic 4.3	
Trip Unit Technology	Electronic	
Trip Unit Protection Functions	LSoIR	
Control Type	Toggle	
Circuit Breaker Mounting Mode		

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	40 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 30 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2	
Mechanical Durability	15000 cycles	

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Electrical Durability	12000 cycles at 440 V In/2 6000 cycles at 440 V In 6000 cycles at 690 V In/2 3000 cycles at 690 V In
Power Dissipation Per Pole	25.6 W N 25.6 W L1 and L3 22.4 W L2
Mounting Support	Backplate
Mounting Position	Horizontal and vertical Flat on the back
Upside Connection	Front
Downside Connection	Front
Connection Pitch	45 mm
Protection Type	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
Trip Unit Rating	400 A at 40 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable 9 settings
[Ir] Long-Time Protection Pick-Up Adjustment Range	160400 A
Long-Time Protection Delay Adjustment Type Tr	Fixed
[Tr] Long-Time Protection Delay Adjustment Range	400 s at 1.5 x lr 16 s at 6 x lr 11 s at 7.2 x lr
Thermal Memory	20 minutes before and after tripping
Short-Time Protection Pick-Up Adjustment Type Isd	Adjustable
[Isd] Short-Time Protection Pick- Up Adjustment Range	1.510 x lr
Short-Time Protection Delay Adjustment Type Tsd	Fixed
Instantaneous Protection Pick-Up Adjustment Type Ii	Fixed
[li] Instantaneous Protection Pick- Up Adjustment Range	4800 A
Earth-Leakage Protection	Integrated
Earth-Leakage Protection Class	Class A
Earth-Leakage Protection Sensitity Adjustment Type Iδn	Adjustable
[lōn] Earth-Leakage Protection Sensitivity Adjustment Range	300 mA 500 mA 1 A 3 A 5 A 10 A
Earth-Leakage Protection Specific Mode	OFF using the IΔn rotary switch
Earth-Leakage Protection Time Delay Adjustement Type ∆t	Adjustable
[Δt] Earth-Leakage Protection Time Delay Adjustment Range	0 ms 60 ms 150 ms 500 ms 1 s
Zone Selective Interlocking Zsi	Without
Number Of Slots For Electrical Auxiliaries	6 slot(s)

Local Signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
Width (W)	140 mm
Height (H)	255 mm
Depth (D)	110 mm
Net Weight	6.05 kg

Environment

Standards	EN/IEC 60947	
Product Certifications	CCC EAC Marine	
Overvoltage Category	Class II	
Electrical Shock Protection Class	Class II	
Pollution Degree	3 conforming to IEC 60664-1	
Ip Degree Of Protection	IP40 conforming to IEC 60529	
Ik Degree Of Protection	IK07 conforming to IEC 62262	
Ambient Air Temperature For Operation	-2570 °C	
Ambient Air Temperature For Storage	-5085 °C	
Relative Humidity	095 %	
Operating Altitude	02000 m without derating 2000 m5000 m with derating	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	15.4 cm
Package 1 Width	16.2 cm
Package 1 Length	28.4 cm
Package 1 Weight	5.861 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	2
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	12.36 kg

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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Transparency RoHS/REACh

Well-being performance

	Mercury Free	
②	Rohs Exemption Information	Yes
②	Halogen Free Plastic Parts Product	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information