Product datasheet

Specifications



Circuit breaker ComPacT NSX400F, 36kA at 415VAC, MicroLogic 2.3 trip unit 400A, 3 poles 3d

C40F32D400

Main

Range	ComPacT new generation	
Product name	ComPacT NSX new generation	
Device short name	NSX400F	
Product or component type	Circuit breaker	
Device application	Distribution	
Poles description	3P	
Protected poles description	3D	
[In] rated current	400 A at 40 °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 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 20 kA at 600 V AC 50/60 Hz conforming to UL 508 	
Performance level	F 36 kA 415 V AC	
Trip unit name	MicroLogic 2.3	
Trip unit technology	Electronic	
Trip unit protection functions	LSol	
Control type	Toggle	
Circuit breaker mounting mode	Fixed	

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Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz 8 kV	
[Uimp] rated impulse withstand voltage		
[Ics] rated service short-circuit	40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2	
breaking capacity	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
Electrical durability	12000 cycles at 440 V ln/2 6000 cycles at 440 V ln 6000 cycles at 690 V ln/2 3000 cycles at 690 V ln
Power dissipation per pole	19.2 W
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
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 9 settings
[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 li	Fixed
[li] instantaneous protection pick- up adjustment range	4800 A
Earth-leakage protection	Without
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 60947-2	
Overvoltage category	Class II	
Electrical shock protection class	Class II	
Pollution degree	3 conforming to IEC 60664-1	

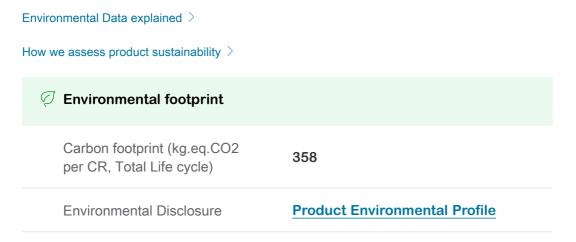
IP degree of protection	IP40 conforming to IEC 60529	
IK degree of protection	IK07 conforming to IEC 62262	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-5085 °C	
Relative humidity	095 %	
Operating altitude	02000 m without derating 2000 m5000 m with derating	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.0 cm
Package 1 Width	15.5 cm
Package 1 Length	29.2 cm
Package 1 Weight	5.624 kg
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	12.103 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.



Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Νο
EU RoHS Directive	Compliant with Exemptions
SCIP Number	25ca3248-85d0-423a- a9d8-5b7aeb52e7b6
REACh Regulation	REACh Declaration
China RoHS Regulation	China RoHS declaration
PVC free	Yes
Silicon free	Νο

Use Again

End of Life Information
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Product contains halogen above thresholds
Νο

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features









I I I

Short terminal shield



Wireless auxiliary contact



Long terminal shield



MN undervoltage

release



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MX shunt release



Standard auxiliary contact



Standard motor mechanism module



Technical Illustration

Assembly's dimensions

