Product datasheet

Specifications



Circuit breaker, ComPacT NSX100F, 36kA/415VAC, 3 poles, MA trip unit 6.3A

C10F3MA007

Main

ComPacT new generation	
ComPacT NSX new generation	
NSX100F	
Circuit breaker	
Motor protection	
3P	
3D	
6.3 A at 65 °C	
690 V AC 50/60 Hz	
AC	
50/60 Hz	
Yes conforming to EN/IEC 60947-2	
Category A	
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 25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 240 V AC 50/60 Hz conforming to UL 60947-4-1 25 kA Icu at 480 V AC 50/60 Hz conforming to UL 60947-4-1 10 kA Icu at 600 V AC 50/60 Hz conforming to UL 60947-4-1	
F 36 kA 415 V AC	
MA	
Magnetic	
I	
Toggle	
Fixed	

Complementary

[Ui] rated insulation voltage	800 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 12 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 4 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2	
Mechanical durability	50000 cycles	
Electrical durability	50000 cycles at 440 V ln/2 30000 cycles at 440 V ln 20000 cycles at 690 V ln/2 10000 cycles at 690 V ln	
Power dissipation per pole	3.93 W	
Mounting support	Backplate	
Mounting position	Horizontal and vertical Flat on the back	
Upside connection	Front	
Downside connection	Front	
Connection pitch	35 mm	
Protection type	I : for short-circuit protection (magnetic)	
Trip unit rating	6.3 A at 65 °C	
Short-time protection pick-up adjustment type Isd	Adjustable 9 settings	
[Isd] Short-time protection pick- up adjustment range	614 x In	
Instantaneous protection pick-up adjustment type li	Adjustable 9 settings	
[li] instantaneous protection pick- up adjustment range	614 x In	
Earth-leakage protection	Without	
Number of slots for electrical auxiliaries	5 slot(s)	
Width (W)	105 mm	
Height (H)	161 mm	
Depth (D)	86 mm	
Net weight	2.05 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	14 cm
Package 1 Width	11.5 cm
Package 1 Length	19 cm
Package 1 Weight	2.23 kg
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	17.84 kg

L 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.

Environmental Data explained >

How we assess product sustainability >

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Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) 80

Environmental Disclosure

Product Environmental Profile

Use Better

Recycled metal content at CR level	0	
EU RoHS Directive	Compliant with Exemptions	
REACh Regulation	REACh Declaration	
PVC free	Yes	

Use Again

\circlearrowright Repack and remanufacture	
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Product contains halogen above thresholds
Take-back	Νο