



Circuit breaker, C10V32D100

URL: <https://www.sxplc.com/circuit-breaker-c10v32d100>

Product data sheet

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX100HB1
product or component type	Circuit breaker
Device application	Distribution
poles description	3P
Protected poles description	3D
[In] rated current	100 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	85 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 80 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 75 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	HB1 75 kA 690 V AC
Trip unit name	MicroLogic 2.2
Trip unit technology	Electronic
Trip unit protection functions	LSol

Control type	Toggle
Circuit breaker mounting mode	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 500 V AC 50/60 Hz conforming to IEC 60947-2
		80 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2
		75 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
	Mechanical durability	20000 cycles
	Electrical durability	20000 cycles at 440 V In/2
		10000 cycles at 440 V In
		10000 cycles at 690 V In/2
		5000 cycles at 690 V In
	Power dissipation per pole	4.7 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	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	100 A at 40 °C	
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings	
[Ir] long-time protection pick-up adjustment range	40...100 A	

