



Circuit breaker, C10V32D100

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

Product data sheet

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| 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 |

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| Control type | Toggle |
| Circuit breaker mounting mode | Fixed |

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| 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 | |

