



Main

Device short name	Compact NSC100N
Circuit breaker name	Compact NSC100N
Circuit breaker application	Distribution
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	100 A (40 °C)
[Ui] rated insulation voltage	750 V conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ue] rated operational voltage	250 V DC conforming to IEC 60947-2 690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity	10 kA at 600 V AC 50/60 Hz conforming to UL 508 18 kA at 480 V AC 50/60 Hz conforming to UL 508 42 kA at 240 V AC 50/60 Hz conforming to UL 508 Icu 10 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 10 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 18 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 18 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 42 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 5 kA at 125 V DC conforming to IEC 60947-2 Icu 5 kA at 250 V DC 2P conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	32 A
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)

Complementary

Control type	Toggle
Mounting support	DIN rail
Upside connection	Front
Downside connection	Front
Mechanical durability	20000 cycles
Electrical durability	10000 cycles 440 V In/2 conforming to IEC 60947-2 7000 cycles 440 V In conforming to IEC 60947-2
Magnetic tripping current	600 A
Earth-leakage protection	With
Height	120 mm
Width	90 mm
Depth	80 mm

Environment

