



Main

Device short name	Compact NSX630NA
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-22A: 630 A AC 50/60 Hz 220/240 V AC-22A: 630 A AC 50/60 Hz 380/415 V AC-22A: 630 A AC 50/60 Hz 440/480 V AC-22A: 630 A AC 50/60 Hz 480 V NEMA AB1 AC-22A: 630 A AC 50/60 Hz 500/525 V AC-22A: 630 A AC 50/60 Hz 660/690 V AC-23A: 630 A AC 50/60 Hz 220/240 V AC-23A: 630 A AC 50/60 Hz 380/415 V AC-23A: 630 A AC 50/60 Hz 440/480 V AC-23A: 630 A AC 50/60 Hz 480 V NEMA AB1 AC-23A: 630 A AC 50/60 Hz 500/525 V AC-23A: 630 A AC 50/60 Hz 660/690 V
[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-3
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-3
[Ith] conventional free air thermal current	630 A (60 °C)
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 8.5 kA switch-disconnector alone
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3
Breaking capacity code	NA
Suitability for isolation	Yes conforming to EN 60947-3 Yes conforming to IEC 60947-3
Contact position indicator	Yes
Visible break	No
Pollution degree	3 conforming to IEC 60664-1

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
[Icw] rated short-time withstand current	2.32 kA (20 s) conforming to IEC 60947-3 6 kA (1 s) conforming to IEC 60947-3 6 kA (3 s) conforming to IEC 60947-3
Mechanical durability	15000 cycles conforming to IEC 60947-3
Electrical durability	AC-22A: 1500 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 1500 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3
Connection pitch	45 mm
Height	255 mm
Width	185 mm

Depth	110 mm
Product weight	6.8 kg

Environment

Standards	EN 60947-2 IEC 60947-2 NEMA AB1 UL 508
Product certifications	CSA UL
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Electrical shock protection class	Class II
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0819 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations