

Product datasheet

Specifications



Circuit breaker ComPacT
NSX400K. 36kA at 800VAC. 10kA
at 1000VAC. MicroLogic 2.3 trip
unit. 250A. 4 poles 4d

C40K42D250

Price: 30,821.46 ZAR

Main

Range	ComPacT
Range Of Product	ComPact NSX400...630
Device Short Name	ComPacT NSX400K
Product Or Component Type	Circuit breaker
Device Application	Special application
Number Of Poles	4P
Protected Poles Description	3t 3t + N/2 4t
Neutral Position	Left
[In] Rated Current	250 A at 40 °C
[Ue] Rated Operational Voltage	800...1000 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	36 kA Icu at 800 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 1000 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	K 10 kA 1000 V AC
Trip Unit Name	MicroLogic 2.3
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LSol
Control Type	Toggle
Circuit Breaker Mounting Mode	Fixed

Complementary

[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ics] Rated Service Short-Circuit Breaking Capacity	10 kA at 800 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 1000 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	15000 cycles
Electrical Durability	1000 cycles at 1000 V In

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Mounting Support	Backplate
Upside Connection	Front
Downside Connection	Front
Connection Pitch	45 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	250 A at 40 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable 9 settings
[Ir] Long-Time Protection Pick-Up Adjustment Range	70...250 A
Long-Time Protection Delay Adjustment Type Tr	Fixed
[Tr] Long-Time Protection Delay Adjustment Range	11 s at 7.2 x Ir 16 s at 6 x Ir 400 s at 1.5 x Ir
Thermal Memory	20 minutes before and after tripping
Short-Time Protection Pick-Up Adjustment Type Isd	Adjustable 9 settings
[Isd] Short-Time Protection Pick-Up Adjustment Range	1.5...10 x Ir
Short-Time Protection Delay Adjustment Type Tsd	Fixed
Instantaneous Protection Pick-Up Adjustment Type Ii	Fixed
[Ii] Instantaneous Protection Pick-Up Adjustment Range	3000 A
Earth-Leakage Protection	Without
Neutral Protection Settings	0.5 x Ir (3t + N/2) 1 x Ir (4t) No protection (3t)
Zone Selective Interlocking Zsi	Without
Number Of Slots For Electrical Auxiliaries	6 slot(s)
Local Signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
Width (W)	185 mm
Height (H)	255 mm
Depth (D)	110 mm
Net Weight	7.9 kg

Environment

Standards	EN/IEC 60947
Product Certifications	CE CCC
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	-25...70 °C
Ambient Air Temperature For Storage	-50...85 °C

Relative Humidity	0...95 %
Operating Altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	19.4 cm
Package 1 Width	15.8 cm
Package 1 Length	33.0 cm
Package 1 Weight	6.5 kg

Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓	Mercury Free	
✓	Rohs Exemption Information	Yes
✓	Pvc Free	
✓	Halogen Free Plastic Parts Product	

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information