Product datasheet

Specifications

Circuit breaker ComPacT NSX250HB2. 100kA at 690VAC. MicroLogic 6.2 E trip unit 100A. 4 poles 4d

C25W46E100

Price: 24,937.30 ZAR

Main

Range	ComPacT new generation
Product Name	ComPacT NSX new generation
Device Short Name	NSX250HB2
Product Or Component Type	Circuit breaker
Device Application	Distribution
Poles Description	4P
Protected Poles Description	4D 3D + OSN 3D + N/2 3D
Neutral Position	Left
[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	100 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	HB2 100 kA 690 V AC
Trip Unit Name	MicroLogic 6.2 E
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LSIG
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	100 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	20000 cycles

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

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	2.7 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) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault 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
Long-Time Protection Delay Adjustment Type Tr	Adjustable
[Tr] Long-Time Protection Delay Adjustment Range	15…400 s at 1.5 x Ir 0.5…16 s at 6 x Ir 0.35…11 s at 7.2 x Ir
Neutral Protection Settings	0.5 x Ir (3D + N/2) 1 x Ir (4D) 1.6 x Ir (3D + OSN) No protection (3D)
Thermal Memory	20 minutes before and after tripping
Short-Time Protection Pick-Up Adjustment Type Isd	Adjustable
[Isd] Short-Time Protection Pick-Up Adjustment Range	1.5...10 x Ir
Short-Time Protection Delay Adjustment Type Tsd	Adjustable 5 settings
[Tsd] Short-Time Protection Delay Adjustment Range	0…0.4 s I²t=off 0.1…0.4 s I²t=on
Instantaneous Protection Pick-Up Adjustment Type Ii	Adjustable
[Ii] Instantaneous Protection Pick-Up Adjustment Range	1.5...15 x In
Ground-Fault Protection Pick-Up Adjustment Type Ig	Adjustable 9 settings
[Ig] Ground-Fault Protection Pick-Up Adjustment Range	0.4...1 x In for In = 40 A 0.2...1 x In for In > 40 A Ig enable on/off
Ground-Fault Protection Time Delay Adjustment Type Tg	Adjustable 5 settings
[Tg] Ground-Fault Protection Time Delay Adjustment Range	0…0.4 s I²t=off 0.1…0.4 s I²t=on
Earth-Leakage Protection	Without
Zone Selective Interlocking Zsi	With
Number Of Slots For Electrical Auxiliaries	5 slot(s)
Local Signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
Display Type	LCD display

Type Of Measurement	Energy meter
Communication Of Data	Time-stamped histories and event tables Protection and alarm settings Demand current and power Maintenance indicators Power quality Energy metering Maximeters/minimeters Instantaneous and demand values
Width (W)	140 mm
Height (H)	161 mm
Depth (D)	86 mm
Net Weight	2.8 kg

Environment

Standards	EN/IEC 60947
Product Certifications	Marine EAC CCC
Overvoltage Category	Class II
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	-40…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	14.0 cm
Package 1 Width	15.0 cm
Package 1 Length	20.0 cm
Package 1 Weight	2.65 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	3
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	7.95 kg

Sustainability

Green Premium^{TM} 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-CO_2 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

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