Product datasheet

Specifications

Green Premium™

Circuit breaker, ComPacT NS1250H, 70kA at 415VAC, 3P, fixed, manually operated, MicroLogic 2.0 control unit, 1250A

C125H320FM

Main

Range	ComPacT
Product Name	ComPacT NS new generation
Range Of Product	ComPacT NS630b...1600 new generation
Product Or Component Type	Circuit breaker
Device Application	Distribution
Number Of Poles	3P
Protected Poles Description	3D
(In) Rated Current Up To 65 °C	1250 A at 50 °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 B
[Icu] Rated Ultimate Short-Circuit Breaking Capacity	85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	H 70 kA 415 V AC
Trip Unit Name	MicroLogic 2.0
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LI
Control Type	Manually operated
Mounting Mode	Fixed

Complementary

[Ui] Rated Insulation Voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947-2
[Ics] Rated Service Short-Circuit Breaking Capacity	52 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 52 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 48 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 37 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 31 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] Rated Short-Time Withstand Current	19.2 kA 1 s conforming to IEC 60947-2
Mechanical Durability	10000 cycles

Electrical Durability	2000 cycles at 690 V In
	3000 cycles at 690 V In/2
	4000 cycles at 440 V In
	5000 cycles at 440 V In/2
Power Losses	44 W
Mounting Support	Backplate
Upside Connection	Front
Downside Connection	Front
Connection Pitch	70 mm
Protection Type	L : for overload protection (long time)
	I : for instantaneous short-circuit protection
Trip Unit Rating	1250 A at 50 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable 9 settings
[Ir] Long-Time Protection Pick-Up Adjustment Range	0.4...1 x In
Long-Time Protection Delay Adjustment Type Tr	Adjustable 9 settings
[Tr] Long-Time Protection Delay Adjustment Range	12.5…600 s at 1.5 x Ir
	0.5…24 s at 6 x Ir
	0.7…16.6 s at 7.2 x Ir
Thermal Memory	20 mn
Instantaneous Protection Pick-Up Adjustment Type Ii	Adjustable
[Ii] Instantaneous Protection Pick-Up Adjustment Range	1.5...10 x Ir
Earth-Leakage Protection	Without
Zone Selective Interlocking Zsi	Without
Auxiliary Contact Composition	1 NO/NC
Local Signalling	4 LEDs (red) for fault indication
	1 LED (yellow) for overload
Width (W)	210 mm
Height (H)	327 mm
Depth (D)	147 mm
Net Weight	14 kg

Environment

Standards	EN/IEC 60947-2
Product Certifications	IECEE CB Scheme
Pollution Degree	3 conforming to IEC 60947
Ip Degree Of Protection	IP40 conforming to IEC 60529
Ik Degree Of Protection	IK07 conforming to EN 50102
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

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Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	30.0 cm
Package 1 Width	40.0 cm
Package 1 Length	60.0 cm
Package 1 Weight	12.099 kg

Sustainability ![Green Premium]

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-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

Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile   End of Life Information