

Circuit breaker, ComPact NS1250H, 70kA/415VAC, Micrologic 5.0E trip unit, 1250A, fixed, 4 poles 4d

34435

! To be discontinued on: Apr 30, 2024

! To be discontinued

Main

Mani	
Range	ComPact
Product Name	ComPact NS
Range Of Product	ComPact NS630b1600
Device Short Name	Compact NS1250H
Product Or Component Type	Circuit breaker
Device Application	Distribution
Number Of Poles	4P
Protected Poles Description	4D
Neutral Position	Left
(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	42 kA Icu at 660/690 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 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 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
Performance Level	H 70 kA 415 V AC
Trip Unit Name	MicroLogic 5.0 E
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LSI
Control Type	Toggle Rotary handle
Circuit Breaker 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

Ites Pated Service Short-Circuit S0 A.A at 3801415 V.A C 50/010 Hz conforming to IEC 00947-2		
40 M. at 500/3625 V. AC. 50/00 Pt. conforming to IEC 50947-2 50 M. at 440 V. AC. 50/00 Pt. conforming to IEC 60947-2 50 M. at 2007-20 V. AC. 50/00 Pt. conforming to IEC 60947-2 50 M. at 220/340 V. AC. 50/00 Pt. conforming to IEC 60947-2 [licw] Rated Short-Time Withstand Current Mechanical Durability 10000 cycles at 6600 V in 2000 cycles at 6600 V in 2000 cycles at 6600 V in 2000 cycles at 440 V in 2000 cycles at 400 V in 2000 cycles		-
S0 KA at 440 V AC 5060 Pt Ac conforming to IEC 60947-2	Breaking Capacity	· · · · · · · · · · · · · · · · · · ·
50 k.A st 220/240 V AC 50/60 Hz conforming to IEC 60947-2		· · · · · · · · · · · · · · · · · · ·
Current Mechanical Durability Electrical Durability 2000 cycles at 690 V In 3000 cycles at 690 V In 3000 cycles at 690 V In 24000 cycles at 440 V In 5000 cycles at 450 V Cycles at 440 V In 5000 cy		
Electrical Durability		19.2 kA 1 s conforming to IEC 60947-2
3000 cycles at 960 V In/2	Mechanical Durability	10000 cycles
3000 cycles at 960 V In/2	Electrical Durability	2000 cycles at 690 V In
Soop cycles at 440 V In/2	-	·
Power Losses 44 W Mounting Support Backplate Upside Connection Front Connection Pitch 70 mm Protection Type L: for overload protection (long time) S: for short time short-circuit protection I: for instantaneous short-circuit protection Trip Unit Rating 1550 A at 50 °C Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) II (Long-Time Protection Delay Adjustment Range Long-Time Protection Delay Adjustment Range Long-Time Protection Pick-Up Adjustment Type Ir Intermal Memory Dama Adjustable 9 settings Ad		4000 cycles at 440 V In
Mounting Support Backplate Upside Connection Front Connection Pitch 70 mm Protection Type L: for overload protection (long time) S: for short time short-circuit protection I: for instantaneous short-circuit protection I: for shart time short-circuit protection II: for shart time short-firm shart time II: for shart time protection Pick-Up Adjustanent Range Adjustable Adjustable Adjustable Adjustable Adjustable Adjustable Adjustable Type II II: for shart time protection Pick-Up Adjustable Type II II: for shart time shart		5000 cycles at 440 V In/2
Upside Connection Front Connection Pitch 70 mm Protection Type L.: for overload protection (long time) S: for short time short-circuit protection I. for instantaneous short-circuit protection II. for instantaneous short-circuit protection III. Long-Time Pick-Up Adjustment Type Ir (Thermal Protection Pick-Up Quistment Range Long-Time Protection Pick-Up Adjustable 9 settings O.41 x in Adjustable 9 settings Adjustment Type Iad Instantaneous Protection Pick-Up Adjustment Type III Ill Instantaneous Protection Pick-Up Adjustment Type III Ill Instantaneous Protection Pick-Up Adjustment Range Earth-Leakage Protection No protection (3D) 0.5 x ir (3D + N/2) 1 x ir (4D) Zone Selective Interlocking Zsi With Auxiliary Contact Composition 1 NONC Local Signalling 4 LEDs (red) for fault indication 1 LED (yellow) for overload Display Type LCD display Type Of Measurement Energy meter Width (W) 280 mm	Power Losses	44 W
Downside Connection Front Connection Pitch 70 mm Protection Type	Mounting Support	Backplate
Connection Pitch 70 mm Protection Type L: for overload protection (long time) S: for short time short-circuit protection I: for instantaneous short-circuit protection II clong-Time Protection Pick-Up Adjustable 9 settings Adjustable 9 settings Adjustable 9 settings Adjustabl	Upside Connection	Front
Protection Type L: for overload protection (long time) S: for short time short-circuit protection 1: for instantianeous short-circuit protection 1: for instantianeou	Downside Connection	Front
S : for short time short-circuit protection I : for instantaneous short-circuit protection short instantaneous sho	Connection Pitch	70 mm
S : for short time short-circuit protection I : for instantaneous short-circuit protection short instantaneous sho	Protection Type	L : for overload protection (long time)
1 : for instantaneous short-circuit protection	······································	
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) [Ir] Long-Time Protection Pick-Up Adjustment Type Tr [Ir] Long-Time Protection Delay Adjustment Range Discrept Protection Delay		I : for instantaneous short-circuit protection
Type Ir (Thermal Protection)	Trip Unit Rating	1250 A at 50 °C
Type Ir (Thermal Protection)	Laura Tima Bi Li Li Li Li Li	
Adjustment Range Long-Time Protection Delay Adjustment Type Tr [Tr] Long-Time Protection Delay Adjustment Range 12.5600 s at 1.5 x lr 0.524 s at 6 x lr 0.716.6 s at 7.2 x lr Thermal Memory 20 mn Short-Time Protection Pick-Up Adjustment Type Isd [Isd] Short-Time Protection Delay Adjustment Range Short-Time Protection Delay Adjustment Type Isd Instantaneous Protection Delay Adjustment Type Isd Instantaneous Protection Pick-Up Adjustment Type Ii Ili Instantaneous Protection Pick-Up Adjustment Type Ii Ili Instantaneous Protection Pick-Up Adjustment Range Earth-Leakage Protection Without No protection (3D) 0.5 x lr (3D + N/2) 1 x lr (4D) Zone Selective Interlocking Zsi With Auxiliary Contact Composition I NO/NC Local Signalling 4 LEDs (red) for fault indication 1 LED (yellow) for overload Display Type LCD display Type Of Measurement Energy meter Width (W) 280 mm		Adjustable 9 settings
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Display Type LCD display Type Of Measurement Energy meter Width (W) 280 mm		
Type Of Measurement Energy meter Width (W) 280 mm	Local Signalling	
Width (W) 280 mm	Display Type	LCD display
	Type Of Measurement	Energy meter
Height (H) 327 mm	Width (W)	280 mm
	Height (H)	327 mm

Net Weight		
Depth (D)	147 mm	

Environment

Standards	EN/IEC 60947-2
Product Certifications	ASEFA ASTA
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	-2570 °C
Ambient Air Temperature For Storage	-4085 °C
Relative Humidity	095 %
Operating Altitude	02000 m without derating 2000 m5000 m with derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	37.0 cm
Package 1 Width	38.0 cm
Package 1 Length	30.0 cm
Package 1 Weight	15.511 kg

Contractual warranty

Warranty 18 months

Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass 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

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