C100L350FM

Circuit breaker, ComPacT NS1000L, 150kA at 415VAC, 3P, fixed, manually operated, MicroLogic 5.0 control unit, 1000A





Main

Range	ComPacT
Product name	ComPacT NS new generation
Range of product	ComPacT NS630b1600 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	1000 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 A
[Icu] rated ultimate short-circuit breaking capacity	150 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 130 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	L 150 kA 415 V AC
Trip unit name	MicroLogic 5.0
Trip unit technology	Electronic
Trip unit protection functions	LSI
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
[lcs] rated service short-circuit breaking capacity	150 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 130 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2
[lcw] 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 3000 Cycles at 440 V In 4000 cycles at 440 V In/2
Power losses	34 W
Mounting support	Backplate
Upside connection	Front
Downside connection	Front

Protection type L: for overload protection (long time) S: for short time short-circuit protection Trip unit rating 1000 A at 50 °C Long-time pick-up adjustment type Ir (thermal protection) Iri] long-time protection pick-up adjustment range (tri) long-time protection delay adjustment range 12.5600 S at 1.5 x Ir 0.524 S at 6 x Ir 0.716.6 s at 7.2 x Ir Thermal memory 20 mn Short-time protection pick-up adjustment type Isd Adjustable 9 settings 12.500 S at 1.5 x Ir 0.524 S at 6 x Ir 0.716.6 s at 7.2 x Ir Thermal memory 20 mn Short-time protection pick-up adjustment type Isd Adjustable 9 settings [Isd] Short-time protection pick-up adjustment range 1.510 x Ir Short-time protection delay adjustment type Isd Adjustable [Isd] Short-time protection delay adjustment range 0.10.4 S IPt=on 00.4	Connection pitch	70 mm
Long-time pick-up adjustment type Ir (thermal protection) [Ir] long-time protection pick-up adjustment range Long-time protection delay adjustment type tr Adjustable 9 settings [Ir] long-time protection delay adjustment type tr Adjustable 9 settings [Ir] long-time protection delay adjustment range 12.5600 S at 1.5 x Ir 0.524 S at 6 x Ir 0.716.6 s at 7.2 x Ir Thermal memory 20 mn Short-time protection pick-up adjustment type Isd Adjustable 9 settings 1.510 x Ir Short-time protection delay adjustment type tsd Adjustable Short-time protection delay adjustment type tsd Adjustable [Isd] Short-time protection delay adjustment range Short-time protection delay adjustment type Ii Instantaneous protection pick-up adjustment type Ii Adjustable Off 215 x In Earth-leakage protection Without Zone selective interlocking ZSI Aviilout Aviilout (W) Aviilou (W) Aviilou (W) Aviilout (W) Aviilout (W) Aviilout (W) Aviilout (W) Aviilout (M) Avi	Protection type	S : for short time short-circuit protection
protection) [Ir] long-time protection pick-up adjustment range	Trip unit rating	1000 A at 50 °C
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 Adjustable 9 settings [Isd] Short-time protection pick-up adjustment type tsd Adjustable 9 settings [Isd] Short-time protection delay adjustment range Short-time protection delay adjustment type tsd Adjustable [Isd] Short-time protection delay adjustment range 0.10.4 S I*t=on 00.4 S I*t=off Instantaneous protection pick-up adjustment type Ii Adjustable [Ii] instantaneous protection pick-up adjustment 10 Cff 215 x ln 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	0 1 1 3 31 1	Adjustable 9 settings
[tr] long-time protection delay adjustment range 12.5600 S at 1.5 x Ir 0.524 S at 6 x Ir 0.716.6 s at 7.2 x Ir Thermal memory 20 mn Short-time protection pick-up adjustment type Isd Adjustable 9 settings [Isd] Short-time protection pick-up adjustment range Short-time protection delay adjustment type tsd Adjustable [Itsd] Short-time protection delay adjustment range O10.4 S I²t=on 00.4 s I²t=off Instantaneous protection pick-up adjustment type Ii Adjustable [It] instantaneous protection pick-up adjustment ange Off 215 x In 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	[Ir] long-time protection pick-up adjustment range	0.41 x ln
0.524 S at 6 x Ir 0.716.6 s at 7.2 x Ir Thermal memory 20 mn Short-time protection pick-up adjustment type Isd Adjustable 9 settings [Isd] Short-time protection pick-up adjustment range 1.510 x Ir Short-time protection delay adjustment type tsd Adjustable [Itsd] Short-time protection delay adjustment range 0.10.4 S I²t=on 00.4 s I²t=off Instantaneous protection pick-up adjustment type Ii Adjustable [Ii] instantaneous protection pick-up adjustment range 215 x In 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	Long-time protection delay adjustment type tr	Adjustable 9 settings
Short-time protection pick-up adjustment type Isd [Isd] Short-time protection pick-up adjustment range Short-time protection delay adjustment type tsd Adjustable [Itsd] Short-time protection delay adjustment type tsd Adjustable [Itsd] Short-time protection delay adjustment range O.10.4 S I²t=on O0.4 S I²t=off Instantaneous protection pick-up adjustment type Ii Adjustable [Ii] instantaneous protection pick-up adjustment range Coff 215 x In Earth-leakage protection Without Zone selective interlocking ZSI Auxiliary contact composition I 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	[tr] long-time protection delay adjustment range	0.524 S at 6 x lr
[Isd] Short-time protection pick-up adjustment range Short-time protection delay adjustment type tsd [tsd] Short-time protection delay adjustment range D.10.4 S I²t=on D0.4 s I²t=off Instantaneous protection pick-up adjustment type Ii Adjustable [li] instantaneous protection pick-up adjustment range Off 215 x In Earth-leakage protection Without Zone selective interlocking ZSI Auxiliary contact composition I 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	Thermal memory	20 mn
Short-time protection delay adjustment type tsd [tsd] Short-time protection delay adjustment range 0.10.4 S I²t=on 00.4 s I²t=off Instantaneous protection pick-up adjustment type li Adjustable [li] instantaneous protection pick-up adjustment range Off 215 x In Earth-leakage protection Without Zone selective interlocking ZSI 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) 1447 mm	Short-time protection pick-up adjustment type Isd	Adjustable 9 settings
[tsd] Short-time protection delay adjustment range 0.10.4 S I²t=on 00.4 s I²t=off Instantaneous protection pick-up adjustment type Ii Adjustable [li] instantaneous protection pick-up adjustment range 215 x In 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	[Isd] Short-time protection pick-up adjustment range	1.510 x lr
Instantaneous protection pick-up adjustment type li [li] instantaneous protection pick-up adjustment range [li] instantaneous protection pick-up adjustment off	Short-time protection delay adjustment type tsd	Adjustable
[li] instantaneous protection pick-up adjustment range 215 x ln 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	[tsd] Short-time protection delay adjustment range	
range 215 x In 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	Instantaneous protection pick-up adjustment type li	Adjustable
Zone selective interlocking ZSI 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		
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	Earth-leakage protection	Without
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	Zone selective interlocking ZSI	Without
1 LED (yellow) for overload Width (W) 210 mm Height (H) 327 mm Depth (D) 147 mm	Auxiliary contact composition	1 NO/NC
Height (H) 327 mm Depth (D) 147 mm	Local signalling	
Depth (D) 147 mm	Width (W)	210 mm
	Height (H)	327 mm
Net weight 14 kg	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	-2570 °C
Ambient air temperature for storage	-5085 °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	30.000 cm	
Package 1 Width	40.000 cm	
Package 1 Length	60.000 cm	
Package 1 Weight	14.019 kg	

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	[™] China RoHS Declaration

RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins