# C063L350FM

Circuit breaker, ComPacT NS630bL, 150kA at 415VAC, 3P, fixed, manually operated, MicroLogic 5.0 control unit, 630A





### Main

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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	630 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
[lcu] 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

800 V AC 50/60 Hz conforming to IEC 60947-2
8 kV conforming to IEC 60947-2
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
19.2 kA 1 s conforming to IEC 60947-2
10000 cycles
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
15 W
Backplate
Front
Front

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Protection type       L : for overload protection (long time) S : for short time short-circuit protection         Trip unit rating       630 A at 50 °C         Long-time pick-up adjustment type Ir (thermal protection)       Adjustable 9 settings         [Ir] long-time protection pick-up adjustment range       0.41 x In         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 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 delay adjustment type tsd       Adjustable 9 settings         [Isd] Short-time protection delay adjustment range       1.510 x Ir         Short-time protection delay adjustment type tsd       Adjustable         [Isd] Short-time protection pick-up adjustment of the distance of the protection pick-up adjustment type Ii       Adjustable         Instantaneous protection pick-up adjustment type Ii       Adjustable         Instantaneous protection pick-up adjustment type Ii       Aljustable         Instantaneous protection pick-up adjustment type Ii       Aljustable         Instantaneous protection pick-up adjustment type Ii       Aljustable 9 settings	Connection pitch	70 mm
Long-time pick-up adjustment type Ir (thermal protection)  [Ir] long-time protection pick-up adjustment range	Protection type	S : for short time short-circuit protection
protection)  [Ir] long-time protection pick-up adjustment range  Long-time protection delay adjustment type tr  Adjustable 9 settings  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 type Isd Adjustable 9 settings  [Isd] Short-time protection pick-up adjustment range  Its10 x Ir  Short-time protection delay adjustment type Isd Adjustable  [Itd] Short-time protection delay adjustment range  Its10 x Ir  Short-time protection delay adjustment type Isd Adjustable  [Itd] Instantaneous protection pick-up adjustment type It  Adjustable  [Iti] instantaneous protection pick-up adjustment type It  Adjustable  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	Trip unit rating	630 A at 50 °C
Long-time protection delay adjustment type tr  Adjustable 9 settings  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 range Itsd] Short-time protection delay adjustment range Short-time protection delay adjustment type Isd Adjustable  1.510 x lr  Adjustabl	0 1 1 3 31 1	Adjustable 9 settings
[tr] long-time protection delay adjustment range	[Ir] long-time protection pick-up adjustment range	0.41 x ln
D.524 S at 6 x Ir D.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 D.10.4 S I²t=on D0.4 s I²t=off D0.4 s	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 range  [Itsd] Short-time protection delay adjustment range  [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  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	[tr] long-time protection delay adjustment range	0.524 S at 6 x lr
[Isd] Short-time protection pick-up adjustment type tsd       Adjustable         [Isd] Short-time protection delay adjustment type tsd       Adjustable         [Isd] 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         [Iii] instantaneous protection pick-up adjustment range       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	Thermal memory	20 mn
Short-time protection delay adjustment type tsd  [tsd] Short-time protection delay adjustment range  [tsd] Short-time protection delay adjustment range  Instantaneous protection pick-up adjustment type li  Instantaneous protection pick-up adjustment range  Ili] instantaneous protection pick-up adjustment range  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)  Depth (D)  147 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 Ii Adjustable  [Ii] instantaneous protection pick-up adjustment range 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	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	,	<del></del>
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	37.0 cm	
Package 1 Width	39.0 cm	
Package 1 Length	23.0 cm	
Package 1 Weight	13.217 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	<sup>™</sup> 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