C12B44V160L

Circuit breaker, ComPacT NSXm 160B, 25kA/415VAC, 4 poles, MicroLogic 4.1 trip unit 160A, EverLink lugs





Main

Range	ComPacT new generation
Product name	ComPacT NSXm new generation
Range of product	ComPacT NSXm new generation
Device short name	NSXm 160B
Product or component type	Earth leakage circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	4D
Neutral position	Left
[In] rated current	160 A at 40 °C
[Ue] rated operational voltage	440 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
[lcu] rated ultimate short-circuit breaking capacity	50 KA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 380415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	B 25 kA 415 V AC
Trip unit name	MicroLogic 4.1
Trip unit technology	Electronic
Trip unit protection functions	LSoIR
Control type	Toggle
Circuit breaker mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[lcs] rated service short-circuit breaking capacity	50 KA at 220240 V AC 50/60 Hz conforming to IEC 60947-2 25 KA at 380415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 cycles
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	12.21 W
Mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front

Everific ktup with size 2.5 70 mm*, fine stranded copper	Downside connection	Front
Seminary procession	Connection terminals	
27 mm without spreaders 27 mm without spreaders		
Trip unit rating 160 A at 40 °C Long-time protection pick-up adjustment range 160 A at 40 °C Long-time protection pick-up adjustment range 161 A at 40 °C Long-time protection delay adjustment range 200 S at 1.5 × Ir 8 8 at 6 × Ir 8 8 at 6 × Ir 8 8 at 6 × Ir 9 8 at 7 × Ir 14 (40) Thermal memory 20 minutes before and after tripping 20 minutes 20 minutes before and after tripping 20 minutes 20 minu	Connection pitch	·
Long-time pick-up adjustment type in (thermal profescion) pick-up adjustment range (63180 A) Long-time protection pick-up adjustment type in (7 s x 4 f x 1 s	9 mm pitches	12 module
protection) [If long-time protection pick-up adjustment type trong the protection delay adjustment type trong the protection settings Neutral protection settings 1 x l r (4b)	Trip unit rating	160 A at 40 °C
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S a 6 5 k r S a 5 t 7 x k r	Long-time protection delay adjustment type tr	Fixed
Thermal memory 20 minutes before and after tripping Short-time protection pick-up adjustment type Isd Isd'Short-time protection pick-up adjustment trange Short-time protection pick-up adjustment trange Short-time protection pick-up adjustment trange Is 3 hort-time protection pick-up adjustment trange Is 3 hort-time protection pick-up adjustment trange Is 3 hort-time protection pick-up adjustment type Isd Is 4 hort-time protection class Earth-leakage protection sensitity adjustment type Is 4 hort-time protection sensitity adjustment type Is 5 hort-time protection sensitity adjustment type Is 5 hort-time protection sensitivity adjustment trange Earth-leakage protection sensitivity adjustment trange Earth-leakage sensitivity 30 MA 500 MA 500 MA 500 MA 500 MA 500 MA 60 hort-class A 300 MA for class A 30	[tr] long-time protection delay adjustment range	8 S at 6 x Ir
Short-time protection pick-up adjustment type Isd 1510 x Ir	Neutral protection settings	1 x lr (4D)
Isad Short-time protection pick-up adjustment type tide Fixed	Thermal memory	20 minutes before and after tripping
Short-time protection delay adjustment type Is instantaneous protection pick-up adjustment type II Fixed [Iii] instantaneous protection pick-up adjustment range 2000 A	Short-time protection pick-up adjustment type Isd	Adjustable 9 settings
Instantaneous protection pick-up adjustment type IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	[Isd] Short-time protection pick-up adjustment range	1.510 x lr
[ii] instantaneous protection pick-up adjustment range 2000 A Earth-leakage protection Integrated Earth-leakage protection class Class A C Earth-leakage protection sensitity adjustment type IAn Adjustable I[Δη] earth-leakage protection sensitivity adjustment range 30 MA	Short-time protection delay adjustment type tsd	Fixed
Earth-leakage protection class Class A Class AC Earth-leakage protection sensitity adjustment type I/Δn Adjustable [IΔn] earth-leakage protection sensitivity adjustment range 30 MA 100 MA 100 MA 500	Instantaneous protection pick-up adjustment type li	Fixed
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Earth-leakage protection sensitity adjustment type I/An Adjustable [IΔn] earth-leakage protection sensitivity adjustment range 30 MA 100 MA 300 MA 500 MA 500 MA 1A 3A 500 MA 1A 3A 5A 5A Earth-leakage sensitivity 30 MA for class A 100 MA for class A 100 MA for class A 300 MA for class A 500 MA for class A 100 MA for class AC 100 MA for c	Earth-leakage protection	Integrated
IAn Earth-leakage protection sensitivity adjustment range	Earth-leakage protection class	
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Earth-leakage sensitivity 30 MA for class A 100 MA for class A 30 MA for class A 300 MA for class A 500 MA for class A 1 A for class A 30 MA for class A 1 A for class A 30 MA for class AC 100 MA for class AC 300 MA for class AC 4 A for class AC 4 A for class AC 500 MA for class AC 500 MA for class AC 6 A for class AC 6 A for class AC 7 A for class AC 8 Adjustable Earth-leakage protection time delay adjustment type At [At] Earth-leakage protection time delay adjustment range [At] Earth-leakage protection time delay adjustment for class AC 500 MS 500 MS 500 MS 500 MS 1000 ms 1000 ms 1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX Local signalling Flag (green) for presence of auxiliary contacts Width (W) 108 mm Height (H) 144 mm Depth (D) 80 mm Net weight		100 MA 300 MA 500 MA 1 A 3 A
100 MA for class A 300 MA for class A 500 MA for class A 1 A for class A 1 A for class A 300 MA for class AC 1 A for class AC 100 MA for class AC 300 MA for c	Forth lookage consitivity	
type Δt [Δt] Earth-leakage protection time delay adjustment range 0 Ms	Latur-leakage Sensitivity	100 MA for class A 300 MA for class A 500 MA for class A 1 A for class A 30 MA for class AC 100 MA for class AC 300 MA for class AC 300 MA for class AC 500 MA for class AC 1 A for class AC
range 60 Ms 150 Ms 500 Ms 1000 ms Number of slots for electrical auxiliaries 1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX Local signalling Flag (green) for presence of auxiliary contacts Width (W) 108 mm Height (H) 144 mm Depth (D) 80 mm Net weight 1.63 kg		Adjustable
1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX Local signalling Flag (green) for presence of auxiliary contacts Width (W) 108 mm Height (H) 144 mm Depth (D) 80 mm Net weight 1.63 kg		60 Ms 150 Ms 500 Ms
Width (W) 108 mm Height (H) 144 mm Depth (D) 80 mm Net weight 1.63 kg	Number of slots for electrical auxiliaries	1 slot(s) for alarm switch SD
Height (H) 144 mm Depth (D) 80 mm Net weight 1.63 kg	Local signalling	Flag (green) for presence of auxiliary contacts
Depth (D) 80 mm Net weight 1.63 kg	Width (W)	108 mm
Net weight 1.63 kg	Height (H)	144 mm
	Depth (D)	80 mm
Colour Grey (RAL 7016)	Net weight	1.63 kg
	Colour	Grey (RAL 7016)

Environment

EN/IEC 60947
3 conforming to IEC 60664-1
IP40 conforming to IEC 60529
IK07 conforming to IEC 62262
-2570 °C
-4085 °C
095 %
2000 m without derating 5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.0 cm
Package 1 Width	13.0 cm
Package 1 Length	19.0 cm
Package 1 Weight	1.792 kg
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	7.556 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
Halogen content performance	Halogen free plastic parts product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov