

Characteristics and performance

Compact NSXm circuit breakers from 16 to 160 A up to 690 V

A

PB114894_L=41 eps



Compact NSXm.

Common characteristics

Rated voltages	Insulation voltage (V)	Ui	800
	Insulation voltage for ELCB [1] (V)	Ui	500
	Impulse withstand voltage (kV)	Uimp	8
	Operational voltage (V)	Ue AC 50/60 Hz	690
	Operational voltage for ELCB [1] (V)	Ue AC 50/60 Hz	440
Suitability for isolation	IEC/EN 60947-2		yes
Utilisation category			A
Pollution degree	IEC 60664-1		3

Circuit breakers

Breaking capacity levels

Breaking capacity (kA rms)

Icu	AC 50/60 Hz	220...240 V
		380...415 V
		440 V
		500 V
		525 V
		660...690 V

Service breaking capacity (kA rms)

Ics	AC 50/60 Hz	220...240 V
		380...415 V
		440 V
		500 V
		525 V
		660...690 V

Durability (C-O cycles)

Mechanical

Electrical

440 V	In/2
	In
690 V	In/2
	In

Protection and measurements

Overload / short-circuit protection	Thermal magnetic
	Electronic with Earth Leakage Protection (ELCB)
Options	Device status/control
	For ELCB [1]: alarming and fault differentiation

Installation / connections

Dimensions and weights

Dimensions (mm)	3P
	4P
W x H x D	ELCB [1]
	3P
	4P
Weight (kg)	ELCB [1]
	3P
	4P

Connections

Pitch (mm)	Standard
	With spreaders
EverLink lug Cu or Al [2] cables	Cross-section (mm ²)
	Rigid
Crimp lugs Cu or Al	Flexible
	Cross-section (mm ²)
	Rigid
	Flexible

Source changeover system

Manual mechanical interlocking

[1] ELCB: Earth Leakage Circuit Breaker (Micrologic Vigi 4.1).

[2] Al up to 100 A.

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Control	Manual	With toggle	<input checked="" type="radio"/>
		With direct or extended rotary handle	<input checked="" type="radio"/>
		With side rotary handle	<input checked="" type="radio"/>
Versions	Fixed		<input checked="" type="radio"/>

NSXm up to 63 A						NSXm from 80 to 160 A and ELCB [1]				
E	B	F	N	H		E	B	F	N	H
25	50	85	90	100		25	50	85	90	100
16	25	36	50	70		16	25	36	50	70
10	20	35	50	65		10	20	35	50	65
8	10	15	25	30		-	-	-	-	-
-	-	10	15	22		-	-	-	-	-
-	-	-	10	10		-	-	-	-	-
25	50	85	90	100		25	50	85	90	100
16	25	36	50	70		16	25	36	50	70
10	20	30	50	65		10	20	30	50	65
8	10	10	25	30		-	-	-	-	-
-	-	10	15	22		-	-	-	-	-
-	-	-	2.5	2.5		-	-	-	-	-
20000										
20000										
10000										
10000										
5000										
<input checked="" type="radio"/>						<input checked="" type="radio"/>				
<input checked="" type="radio"/>						<input checked="" type="radio"/>				
<input checked="" type="radio"/>										
81 x 137 x 80										
108 x 137 x 80										
108 x 144 x 80										
1.06										
1.42										
1.63										
27										
35										
95										
70										
120										
95										
<input checked="" type="radio"/>						<input checked="" type="radio"/>				