DATASHEET - NZMC2-4-A250/160-SVE

Part no. Catalog No.



Circuit-breaker, 4p, 200A, 160A in 4th pole, plug-in module

NZMC2-4-A250/160-SVE 113240



Similar to illustration

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	IVORV	program	١
		DIUUIAII	ı

Delivery program			
Product range			Circuit-breaker
Protective function			System and cable protection
Standard/Approval			IEC
Installation type			Plug-in units
Release system			Thermomagnetic release
Construction size			NZM2
Description			Set value in neutral conductor is synchronous with set value Ir of main pole.
Number of poles			4 pole
Standard equipment			Screw connection
Switching capacity			
400/415 V 50 Hz	I _{cu}	kA	36
Rated current = rated uninterrupted current			
Rated current = rated uninterrupted current	$I_n = I_u$	Α	250
Neutral conductor	% of phase conductor	%	60
Reduced neutral conductor protection		Α	160
Neutral conductor protection			Reduced neutral conductor protection
Setting range			
Overload trip			
中	I _r	A	200 - 250
Main pole	l _r	Α	125 - 160
Short-circuit releases			
Non-delayed	$I_i = I_n \times \dots$		6 - 10

Technical data

General

delleral		
Standards		IEC/EN 60947
Protection against direct contact		Finger and back of hand proof to VDE 0106 Part 100
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature		
Ambient temperature, storage	°C	- 40 - + 70
Operation	°C	-25 - +70
Mechanical shock resistance (10 ms half-sinusoidal shock) according to IEC 60068-2-27	g	20 (half-sinusoidal shock 20 ms)
Safe isolation to EN 61140		
Between auxiliary contacts and main contacts	V AC	500
between the auxiliary contacts	V AC	300

Despite of printection Per limit to expending controls area: P20 load of degree of protection) Device With insulating parround. P20 With door counting own yhardle: P26 Circuit-breakers Tomperature dependency, Devating Circuit-breakers Tomperature dependency, Devating Circuit-breakers V 800 Based current er rared uninterrupated current I _n = I _u V 800 Abusilary contacts V 800 90 Abusilary contacts V 800 90 Based due provincially verbage V 800 90 Overoutage circuits particularly verbage V 800 90 Based deprecional verbage V 800 90 Overoutage circuits particularly verbage V 80 90 Use in innerriched supply systems V 80 90 Verbilling caperably I _i =	Mounting position			Vertical and 90° in all directions With XFI earth-fault release: - NZM1, N1, NZM2, N2: vertical and 90° in all directions with plug-in unit - NZM1, N1, NZM2, N2: vertical, 90° right/left with withdrawable unit: - NZM3, N3: vertical, 90° right/left - NZM4, N4: vertical with remote operator: - NZM2, N(S)2, NZM3, N(S)3, NZM4, N(S)4: vertical and 90° in all directions
Desico	Direction of incoming supply			as required
Personant	Degree of protection			
Permissions	Device			In the operating controls area: IP20 (basic degree of protection)
Para	Enclosures			
Rande surger windstage invariability Use Sander Sande	Terminations			
Rated surrent - rated uninterrupted current Rated surgey voltage invariability Mini contacts Autoliary contacts Very VAC Rated or surgey voltage invariability Very VAC Rated surgey voltage category/bottloon degree Very VAC Rated or surgey voltage invariability Very VAC Rated or surgey voltage invariability Very VAC Rated surgey voltage category/bottloon degree Very VAC Very VAC Rated surgey voltage invariability Rated surgey voltage invariability Very VAC Rated surgey voltage invariability Rated surgey voltage capacity 1-m Rated surgey voltage invariability Rated surgey voltage invariability of the circuit-invariability currents at the installation accessed the avoithing capacity of the circuit-invariability currents at the installation accessed the avoithing capacity of the circuit-invariability currents at the installation accessed the avoithing capacity of the circuit-invariability currents at the installation in accessed the avoithing capacity of the circuit-invariability currents at the installation accessed the avoithing capacity of the circuit-invariability currents at the installation accessed the avoithing capacity of the circuit-invariability currents at the instal	Other technical data (sheet catalogue)			Temperature dependency, Derating
National surge voltage invariability			٨	250
Main contacts V 8000 Abusine y contacts V 6000 Abusine y contacts V 6000 Risted operational voltage V C 600 Overoutlage category/pollution degree V V 600 Use in uncenthod supply systems V V 600 Solvithing capacity Ice V 400 440 V 5000 Hz Ice Ice X 76 440 V 5000 Hz Ice Ice X 14 440 V 5000 Hz Ice Ice X 14 450 V 5000 Hz Ice Ice X 14 460 V 5000 Hz Ice Ice X 14 460 V 5000 Hz Ice Ice X 14 460 V 5000 Hz Ice Ice X 15 460 V 5000 Hz Ice Ice X 15 460 V 5000 Hz Ice Ice X 15 460 V 5000 Hz Ice X			А	250
Abath appearational voltage U ₀ VAC 800 Overonitage actagon/youlluind degree U ₀ VAC 800 Abath disalisation voltage U ₀ VAC 800 Bath disalisation voltage U ₀ V 800 Bath disalisation voltage U ₀ V 900 Bath disalisation voltage U ₀ V 900 Bathed short-circuit making capacity I ₀ V 12 400 V415 V I ₀ V 2 2 400 V415 V I ₀ V 2 2 400 V415 V I ₀ V 2 2 800 V 50000 Hz I ₀ V 2 2 800 V 50000 Hz I ₀ V 2 2 400 V 5000 Hz I ₀ V 3 2 400 V 5000 Hz I ₀ V 3 3 400 V 5000 Hz I ₀ V 3 3 400 V 5000 Hz I ₀ V 3 3		U _{imp}		
National operational voltage				
Overvioltage category/pollution degree Use in unearfied supply systems Use of September 100 supply systems V September 100 supply systems Switching capacity Iom V September 100 supply systems Zead V Iom K 21 400/415 V Iom K 3 22 400/415 V Iom K 4 63 525 V 30/80 Mz Iom K 4 24 528 V 30/80 Mz Iom K 4 24 10 to 16 EC/EN 80947 State cycle O-t-CO Iou K 4 36 400/415 V 30/80 Mz Iou K 3 36 500 V 30/80 Mz Iou K 3 36 600 V 30/80 Mz Iou K 3 36 10 Sub In EC/EN 80947 Vast cycle O-t-CO+CO Iou K 3 36 20 V 30/80 Mz Iou K 3<	Auxiliary contacts		V	6000
Nation	Rated operational voltage	U _e	V AC	690
Septemble Supply systems	Overvoltage category/pollution degree			III/3
Switching capacity Imaming c	Rated insulation voltage	Ui	V	690
Rated short-circuit making capacity	Use in unearthed supply systems		V	≦ 690
Math				
400/415 V 400 Hz				
Manual		I _{cm}		
	400/415 V	I _{cm}	kA	76
	440 V 50/60 Hz	I _{cm}	kA	63
Rated short-circuit breaking capacity I _{cn} I _{cn} I _{cn} 1cu to IEC/EN 60947 test cycle 0-t-CO Icu KA 240 V 50/60 Hz I _{cu} KA 55 400/415 V 50/60 Hz I _{cu} KA 30 440 V 50/60 Hz I _{cu} KA 12 650 V 50/60 Hz I _{cu} KA 12 650 V 50/60 Hz I _{cu} KA 55 240 V 50/60 Hz I _{cu} KA 55 240 V 50/60 Hz I _{cu} KA 55 400/415 V 50/60 Hz I _{cu} KA 55 400/415 V 50/60 Hz I _{cu} KA 55 400 V 50/60 Hz I _{cu} KA 55 400 V 50/60 Hz I _{cu} KA 55 400 V 50/60 Hz I _{cu} KA 55 525 V 50/60 Hz I _{cu} KA 60 690 V 50/60 Hz I _{cu} KA Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit-breaker. Liftespan, mechanical(of which m	525 V 50/60 Hz	I _{cm}	kA	24
Leu to EC/EN 60947 test cycle O-t-CO	690 V 50/60 H	Ic	kA	14
240 \times 50/60 Hz 1cu kA 55 400/415 \times 50/60 Hz 1cu kA 36 400 \times 50/60 Hz 1cu kA 30 525 \times 50/60 Hz 1cu kA 30 690 \times 50/60 Hz 1cu kA 36 240 \times 50/60 Hz 1cu kA 36 400 \times 50/60 Hz 1cu kA 36 690 \times 50/60 Hz 3cu kA 36 690 \times 50/60 Hz 3cu kA 36 690 \times 50/60 Hz 3cu kA 3cu 3	Rated short-circuit breaking capacity I _{cn}	I _{cn}		
400/415 V 50/60 Hz	Icu to IEC/EN 60947 test cycle 0-t-C0	Icu	kA	
440 V 50/60 Hz 525 V 50/60 Hz 690 V 50/60 Hz 1cu kA 12 690 V 50/60 Hz 1cs to IEC/EN 60947 test cycle 0-t-CO-t-CO 1cs kA 240 V 50/60 Hz 400/415 V 50/60 Hz 400/415 V 50/60 Hz 1cs kA 55 525 V 50/60 Hz 1cs kA 55 690 V 50/60 Hz 1cs kA 55 690 V 50/60 Hz 1cs kA 56 690 V 50/60 Hz 1cs kA 66 690 V 50/60 Hz 1cs kA 66 690 V 50/60 Hz 1cs kA 66 690 V 50/60 Hz 1cs kA 60 600 V 50/60 Hz 600 V 50/60 H	240 V 50/60 Hz	I _{cu}	kA	55
S25 V 50/60 Hz	400/415 V 50/60 Hz	I _{cu}	kA	36
G90 V 50/60 Hz	440 V 50/60 Hz	I _{cu}	kA	30
Ics to IEC/EN 60947 test cycle 0-t-C0-t-C0 Ics kA 240 V 50/60 Hz 400/415 V 50/60 Hz 400 V 50/60 Hz Los kA 36 440 V 50/60 Hz Los kA 22.5 525 V 50/60 Hz Los kA 690 V 50/60 Hz Los kA 60 Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit-breaker. Lifespan, mechanical(of which max. 50 % trip by shunt/undervoltage release) AC-1 400 V 50/60 Hz Derations Operations Operations Operations Tool Operations Tool Operations Tool Too	525 V 50/60 Hz	I _{cu}	kA	12
240 V 50/60 Hz	690 V 50/60 Hz	I _{cu}	kA	8
400/415 V 50/60 Hz 400 V 50/60 Hz 1cs kA 22.5 525 V 50/60 Hz 1cs kA 6 690 V 50/60 Hz 1cs kA 6 Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit-breaker. Utilization category to IEC/EN 60947-2 Lifespan, mechanical(of which max. 50 % trip by shunt/undervoltage release) AC-1 400 V 50/60 Hz 400 V 50/60 Hz 400 V 50/60 Hz 600	Ics to IEC/EN 60947 test cycle 0-t-C0-t-C0	Ics	kA	
400/415 V 50/60 Hz 400 V 50/60 Hz 400 V 50/60 Hz 525 V 50/60 Hz 690 V 50/60 Hz Comparison category to IEC/EN 60947-2 Lifespan, mechanical(of which max. 50 % trip by shunt/undervoltage release) AC-1 400 V 50/60 Hz AC-1 400 V 50/60 Hz Comparisons Comparisons AC-1 AC	240 V 50/60 Hz	I _{cs}	kA	55
440 V 50/60 Hz 525 V 50/60 Hz 690 V 50/60 Hz Lifespan, nechanical(of which max. 50 % trip by shunt/undervoltage release) AC-1 400 V 50/60 Hz Lifespan, dectrical 400 V 50/60 Hz Lifespan, dectrical 400 V 50/60 Hz Lifespan, dectrical 400 V 50/60 Hz AC-1	400/415 V 50/60 Hz		kA	36
525 V 50/60 Hz 690 V 50/60 Hz Lifespan, mechanical(of which max. 50 % trip by shunt/undervoltage release) AC-1 400 V 50/60 Hz AC V 50/60 Hz A	440 V 50/60 Hz		kA	22.5
690 V 50/60 Hz Lifespan, mechanical(of which max. 50 % trip by shunt/undervoltage release) AC-1 400 V 50/60 Hz AC-1	525 V 50/60 Hz		kA	6
Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit-breaker. Utilization category to IEC/EN 60947-2 Lifespan, mechanical(of which max. 50 % trip by shunt/undervoltage release) AC-1 400 V 50/60 Hz Operations Operations Operations 10000 415 V 50/60 Hz Operations 7500				
Lifespan, mechanical(of which max. 50 % trip by shunt/undervoltage release) AC-1 400 V 50/60 Hz 0perations 0perations 10000 415 V 50/60 Hz 0perations 7500		-03		Maximum back-up fuse, if the expected short-circuit currents at the installation
Lifespan, electrical AC-1 Comparison Compariso	Utilization category to IEC/EN 60947-2			Α
AC-1 400 V 50/60 Hz Operations 10000 415 V 50/60 Hz Operations 7500	Lifespan, mechanical(of which max. 50 $\%$ trip by shunt/undervoltage release)	Operations		20000
400 V 50/60 Hz Operations 10000 415 V 50/60 Hz Operations 7500	Lifespan, electrical			
415 V 50/60 Hz Operations 7500	AC-1			
	400 V 50/60 Hz	Operations		10000
690 V 50/60 Hz Operations 5000	415 V 50/60 Hz	Operations		7500
	690 V 50/60 Hz	Operations		5000

Max. operating frequency Ops/h 120 Total break time at short-circuit ms 10 Total break time at short-circuit ms 10 Total break time at short-circuit ms 10 Total deceptority screw connection Standard equipment screw connection Accessories required page 10 Nat/A4-XSVS Optional accessories and an approximation of the page 11 Tunnel traininal connection on rear Box terminal mm² 1 x (10 - 18) connection 1 x (25 - 185) Stranded mm² 1 x (25 - 185) 1 x (25 - 185) Stranded mm² 1 x (10 - 18) connection 1 x (25 - 185) 1 x (25 - 185) Bott terminal and rear-side connection mm² 1 x (10 - 18) connection 1 x (10 - 18) connection 2 x (25 - 70) 2 x (25 - 70) Al circular conductor mm² 1 x (10 - 18) connection 2 x (25 - 70) 2 x (25 - 70) Al circular conductor mm² 1 x (10 - 18) connection 2 x (25 - 70) 2 x (25 - 70) Solid mm² 1 x (10 - 18) connection <	Screw connection NZM2-4-XSVS Box terminal Tunnel terminal connection on rear 1 x (10 - 16) 2 x (6 - 16) 1 x (25 - 185) 2 x (25 - 70) 1 x 16
Name	Screw connection NZM2-4-XSVS Box terminal Tunnel terminal connection on rear 1 x (10 - 16) 2 x (6 - 16) 1 x (25 - 185) 2 x (25 - 70) 1 x 16
Strandard equipment Screw connection Accessories required NZM2+XSVS Optional accessories Box terminal Tunnel terminal connection on rear Round copper conductor Terminal Box terminal Terminal Solid mm² 1 x 10 - 16) 2 x (6 - 16) Stranded 1 x 25 - 185) 2 x (25 - 70) Tunnel terminal mm² 1 x 16 Stranded mm² 1 x 125 - 185) Bolt terminal and rear-side connection mm² 1 x 125 - 185) Bolt terminal and rear-side connection mm² 1 x 125 - 185) Stranded mm² 1 x 125 - 185) Stranded mm² 1 x 125 - 185) X 1 x 125 - 185 x 1 x 125 - 185 X 1 x 125 - 185 x 1 x 125 - 185 X 1 x 125 - 185 x 1 x 125 - 185 X 1 x 125 - 185 x 1 x 125 - 185 X 1 x 125 - 185 x 1 x 125 - 185 X 1 x 125 - 185 x 1 x 125 - 185 X 1 x 125 - 185 x 1 x 125 - 185 X 1 x 125 - 185 x 1 x 125 - 185 X 1 x 125 - 185	NZM2-4-XSVS Box terminal Tunnel terminal connection on rear 1 x (10 - 16) 2 x (6 - 16) 1 x (25 - 185) 2 x (25 - 70) 1 x 16
Optional accessories Box terminal Tunnel terminal Connection on rear Round copper conductor Image: 1 x (10 - 16) (2 x (5 - 16)) Box terminal Image: 2 x (6 - 16) Stranded Image: 2 x (25 - 185) (2 x (25 - 70)) Tunnel terminal Image: 2 x (25 - 185) (2 x (25 - 70)) Stranded Image: 3 x (25 - 185) (2 x (25 - 185)) Bolt terminal and rear-side connection Image: 3 x (25 - 185) (2 x (25 - 185)) Bolt terminal and rear-side connection Image: 3 x (10 - 16) (2 x (6 - 16)) Stranded Image: 3 x (10 - 16) (2 x (6 - 16)) Stranded Image: 3 x (10 - 16) (2 x (6 - 16)) Stranded Image: 3 x (10 - 16) (2 x (6 - 16)) Tunnel terminal Image: 3 x (10 - 16) (2 x (6 - 16)) Stranded Image: 3 x (10 - 16) (2 x (6 - 16)) Stranded Image: 3 x (10 - 16) (2 x (6 - 16)) Stranded Image: 3 x (10 - 16) (2 x (6 - 16)) Stranded Image: 3 x (10 - 16) (2 x (6 - 16)) Stranded Image: 4 x (10 - 16) (2 x (6 - 16)) Stranded Image: 4 x (10 - 16) (2 x (6 - 16)) Stranded Image: 4 x (10 - 16) (2 x (6 - 16)) Stranded Image: 4 x (10 - 16) (2 x	Box terminal Tunnel terminal connection on rear 1 x (10 - 16) 2 x (6 - 16) 1 x (25 - 185) 2 x (25 - 70) 1 x 16
Round copper conductor	Tunnel terminal connection on rear 1 x (10 - 16) 2 x (6 - 16) 1 x (25 - 185) 2 x (25 - 70) 1 x 16
Box terminal	2 x (6 - 16) 1 x (25 - 185) 2 x (25 - 70) 1 x 16
Solid mm² 1x (10 - 16) 2x (6 - 16) mm² 1x (25 - 185) 2x (25 - 70) mm² 1x (25 - 185) mm² 1x (25 - 185) mm² mm	2 x (6 - 16) 1 x (25 - 185) 2 x (25 - 70) 1 x 16
Stranded	2 x (6 - 16) 1 x (25 - 185) 2 x (25 - 70) 1 x 16
Tunnel terminal Solid mm² 1 x 16 Stranded 1-hole Bolt terminal and rear-side connection Direct on the switch Solid Stranded Al circular conductor Tunnel terminal Solid Stranded Tunnel terminal Solid Tunnel terminal Tunnel termi	2 x (25 - 70) 1 x 16
Solid mm² 1 x 16 Stranded mm² 1 x (25 - 185) Bolt terminal and rear-side connection mm² 1 x (10 - 18) Solid mm² 1 x (10 - 18) x (6 - 16) mm² 1 x (25 - 185) Stranded mm² 1 x (25 - 185) x (25 - 185) x (25 - 70) Al circular conductor mm² 1 x (25 - 185) Stranded mm² 1 x 16 Stranded mm² 1 x 16 Stranded mm² 1 x (25 - 185) Cu strip (number of segments x width x segment thickness) mm² 1 x (25 - 185) Cu strip (number of segments x width x segment thickness) mm² 1 x (25 - 185) Box terminal mm	
Stranded	
1-hole	1 x (25 - 185)
Bolt terminal and rear-side connection Direct on the switch Solid mm² 1 x (10 - 16) 2 x (6 - 16) Stranded mm² 1 x (25 - 185) 2 x (25 - 70) Al circular conductor Tunnel terminal Solid mm² 1 x 16 Stranded Stranded Stranded Stranded Cu strip (number of segments x width x segment thickness) Box terminal min. mm 2 x 9 x 0.8 max. mm 10 x 16 x 0.8	1 x (25 - 185)
Direct on the switch	
Solid mm² 1 x (10 - 16) 2 x (6 - 16) mm² 1 x (25 - 185) 2 x (25 - 70) mm² 1 x (25 - 185) 2 x (25 - 70) mm² 1 x 16 mm² 1 x 16 mm² 1 x 16 mm² 1 x 16 mm² 1 x (25 - 185)	
Stranded mm² 1 x (25 - 185) 2 x (25 - 70)	
Al circular conductor 2 x (25 - 70) Tunnel terminal	
Tunnel terminal Solid mm² 1 x 16 Stranded Stranded Stranded mm² 1 x (25 - 185) Cu strip (number of segments x width x segment thickness) Box terminal min. mm 2 x 9 x 0.8 max. mm 10 x 16 x 0.8	
Solid Stranded Stranded Stranded Mm2 1 x 16 Mm2 1 x (25 - 185) Cu strip (number of segments x width x segment thickness) Box terminal Min. Mm 2 x 9 x 0.8 Max. Mm 10 x 16 x 0.8	
Stranded Stranded Mmm² 1 x (25 - 185) Cu strip (number of segments x width x segment thickness) Box terminal min. mm 2 x 9 x 0.8 max. mm 10 x 16 x 0.8	
Stranded Cu strip (number of segments x width x segment thickness) Box terminal min. mm 2 x 9 x 0.8 max. mm 10 x 16 x 0.8	1 x 16
Cu strip (number of segments x width x segment thickness) Box terminal min. mm 2 x 9 x 0.8 max. mm 10 x 16 x 0.8	
Box terminal min. mm 2 x 9 x 0.8 max. mm 10 x 16 x 0.8	1 x (25 - 185)
min. mm 2 x 9 x 0.8 max. mm 10 x 16 x 0.8	
max. mm 10 x 16 x 0.8	
	2 x 9 x 0.8
(2x) 8 x 15.5 x 0,8	10 x 16 x 0.8 (2x) 8 x 15.5 x 0,8
Bolt terminal and rear-side connection	
Flat copper strip, with holes min. mm 2 x 16 x 0.8	2 x 16 x 0.8
Flat copper strip, with holes max. mm 10 x 24 x 0.8	10 x 24 x 0.8
Copper busbar (width x thickness) mm	
Bolt terminal and rear-side connection	
Screw connection M8	M8
Direct on the switch	
min. mm 16 x 5	16 x 5
max. mm 24 x 8	
Control cables	24 x 8
mm ² 1 x (0.75 - 2.5) 2 x (0.75 - 1.5)	24 x 8

Design verification as per IEC/EN 61439

Dooigii voimoution do por 120/214 or 100			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	250
Equipment heat dissipation, current-dependent	P _{vid}	W	58.13
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.

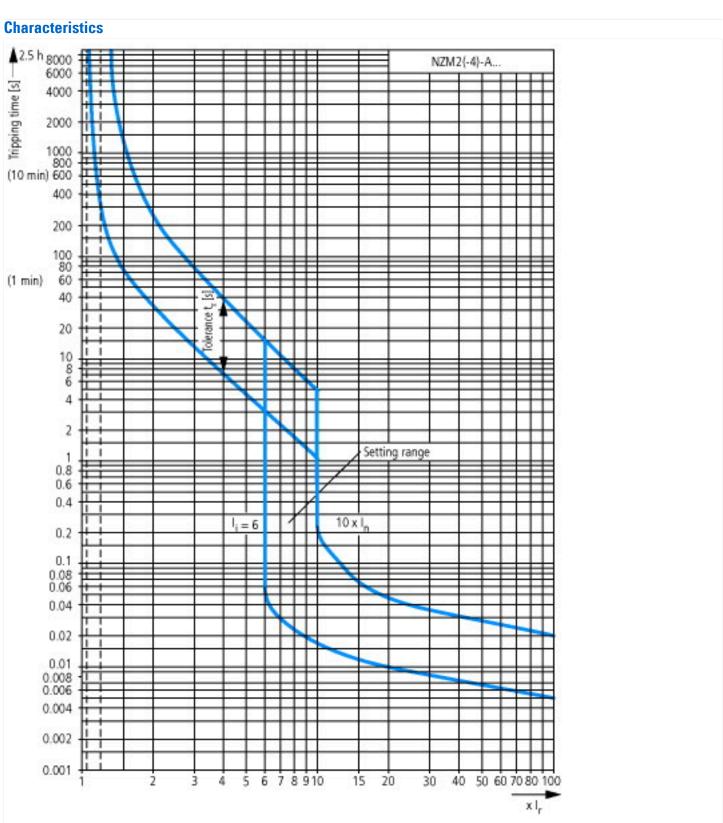
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9 Insulation properties	
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

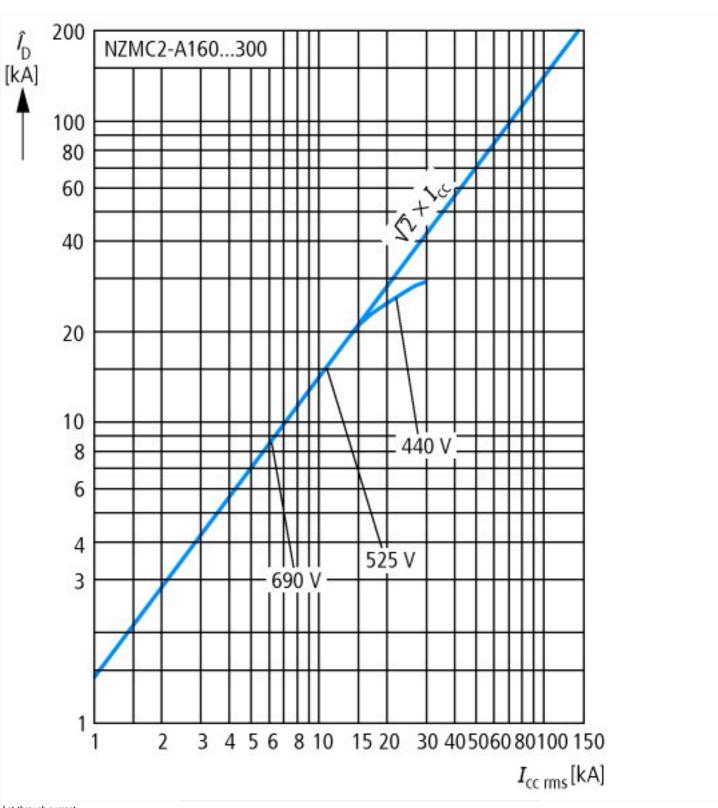
Technical data ETIM 7.0

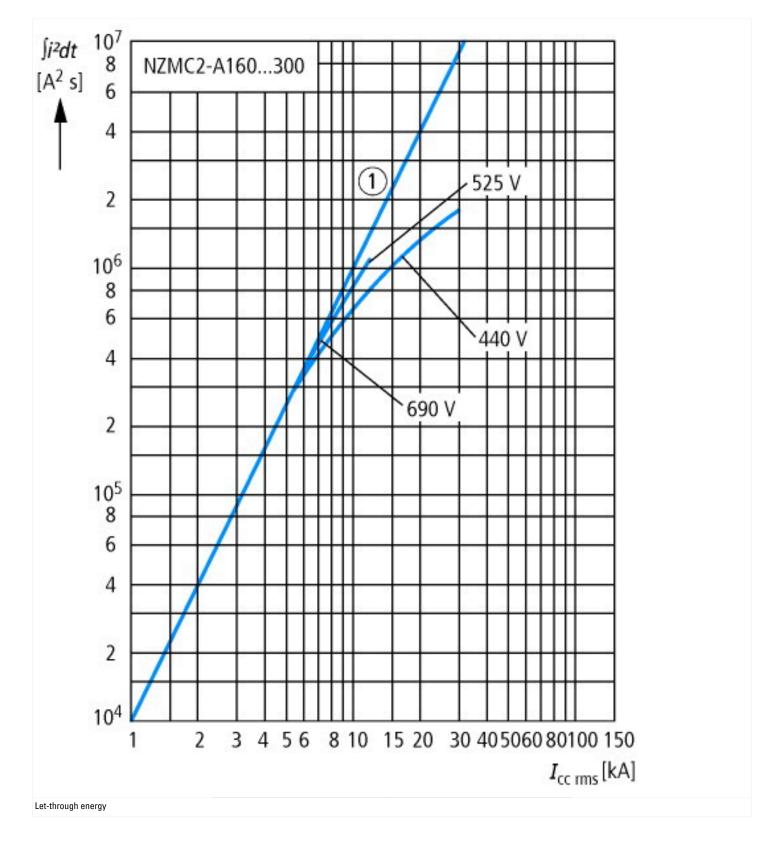
 $Low-voltage\ industrial\ components\ (EG000017)\ /\ Power\ circuit-breaker\ for\ trafo/generator/installation\ protection\ (EC000228)$

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Circuit breaker for power transformer, generator and system protection (aci@ss10.01-27-37-04-09 [A 17716013])

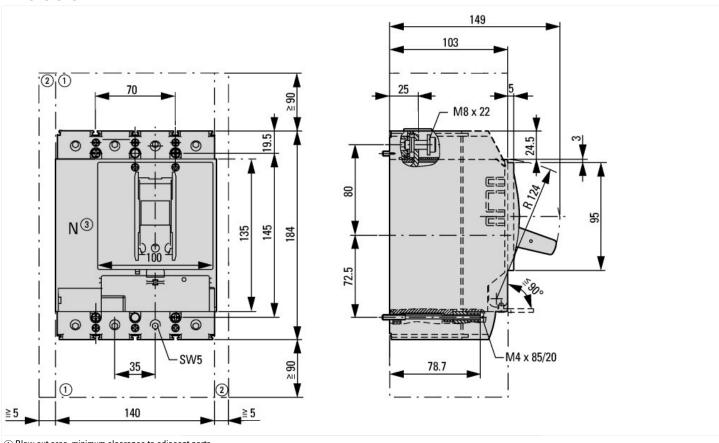
Rated permanent current lu	Α	250
Rated voltage	V	690 - 690
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	36
Overload release current setting	Α	200 - 250
Adjustment range short-term delayed short-circuit release	Α	0 - 0
Adjustment range undelayed short-circuit release	Α	6 - 10
Integrated earth fault protection		No
Type of electrical connection of main circuit		Screw connection
Device construction		Built-in device plug-in technique
Suitable for DIN rail (top hat rail) mounting		No
DIN rail (top hat rail) mounting optional		Yes
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		0
With switched-off indicator		No
With under voltage release		No
Number of poles		4
Position of connection for main current circuit		Front side
Type of control element		Rocker lever
Complete device with protection unit		Yes
Motor drive integrated		No
Motor drive optional		Yes
Degree of protection (IP)		IP20

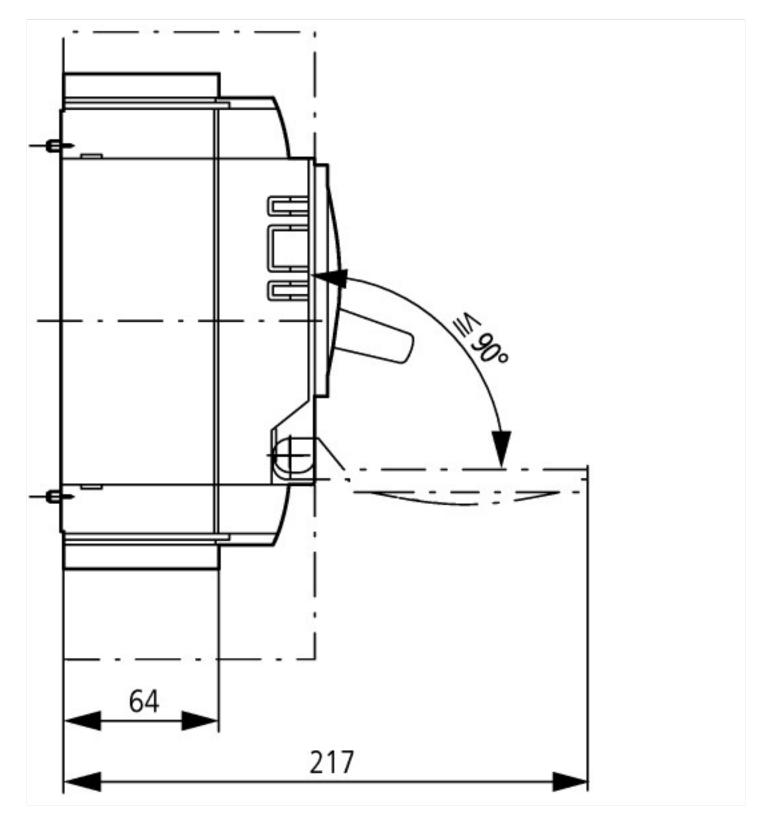






Dimensions





Additional product information (links)

Temperature dependency, Derating	http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=17.172
CurveSelect characteristics program	http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/CharacteristicsProgram/index.htm
additional technical information for NZM power switch	https://es-assets.eaton.com/DOCUMENTATION/PDF/nzm_technic_de_en.pdf