

			NZM1(-4)-XFI30R NZM1(-4)-XFI300R NZM1(-4)-XFIR	NZM1(-4)-XFI30U NZM1(-4)-XFI300U NZM1(-4)-XFIU	+NZM2-4-XFI30 +NZM2-4-XFI	+NZM2-4-XFIA30 +NZM2-4-XFIA NZMH2...-XFIA30
Electrical						
Standards			IEC/EN 60947-2			
Sensitivity			Pulse-current sensitive, type A			
Min. operating voltage						
For detecting type A/AC fault currents			80 V (dependent on mains power)	80 V (dependent on mains power)	0 V (independent of mains power)	0 V (independent of mains power)
For detecting type B fault currents			–	–	–	50 V (dependent on mains power)
Suitable for use in			Three- and single-phase systems	Three-phase systems	Three- and single-phase systems	Three- and single-phase systems
Rated operating voltage	U_e	V AC	200...415 (3~)	200...415 (3~)	280...690	50...400 (3~)
Rated frequency	f	Hz	50/60	50/60	50/60	50/60
Number of poles			3/4	3/4	3/4	3/4
Rated operational current range	I_n	A	15...160	15...100	15...250	15...250
Rated fault currents	$I_{\Delta n}$	A				
NZM1(-4)-XFI30R			0.03			
NZM1(-4)-XFI300R			0.3			
NZM1(-4)-XFIR			0.03-0.1-0.3-0.5-1-3			
NZM1(-4)-XFI30U				0.03		
NZM1(-4)-XFI300U				0.3		
NZM1(-4)-XFIU				0.03-0.1-0.3-0.5-1-3		
+NZM2-4-XFI30					0.03	
+NZM2-4-XFI					0.1-0.3-1-3	
+NZM2-4-XFIA30						0.03
+NZM2-4-XFIA						0.3-1
NZMH2...-XFIA30						0.03
Detection range of fault current			50/60 Hz	50/60 Hz	50/60 Hz	With AC voltage: 0 – 100 kHz With pulsed DC voltage: 50 Hz
Rated ultimate short-circuit making and rated breaking capacity	$I_{\Delta m}$	A	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$
Fault current early warning			$\geq 0.3 \times I_{\Delta n}$	$\geq 0.3 \times I_{\Delta n}$	–	–
Shock resistance (IEC 60068-2-27)			20 (half-sinusoidal shock 20 ms)			
Lifespan, mechanical (50 % with fault current)	Operations		20000	20000	≥ 2000	≥ 2000 NZMH2: 20000
Mechanical						
Standard front dimension		mm	45	45	96	96
Mounting			On right side	Bottom	Bottom	Bottom
Mounting position			Vertical and 90° in all directions			
Feeder			NZM1 from above	NZM1 from above	Any	Bottom
Degree of protection			IP20 in the operating component area			
Ambient temperature		°C	–5...+40	–5...+40	–25...+70	–25...+70
Terminal capacities						
Flexible without ferrule		mm ²	Same as NZM1 standard terminal			
Flexible with ferrule		mm ²	Same as NZM1 standard terminal			
Sealability			Yes, setting buttons			

			DMI
General			
Dimensions (W x H x D)		mm	107.5 x 90 x 53
Modular spacing (space units)			6 SU (space units) wide
Weight		kg	0.3
Mounting			Top-hat rail IEC/EN 60715, 35 mm
Ambient climatic conditions			
Operating ambient temperature		°C	0 to +55
Built-in position			Horizontal/vertical
Condensation			Prevent condensation by means of suitable measures
LCD display (clearly legible)		°C	0 to +55
Storage/transport		°C	-40 to +70
Relative humidity, non-condensing (IEC/EN 60068-2-30)		%	5...95
Air pressure (in operation)		hPa	795...1080
Corrosion resistance			
IEC/EN 60068-2-42	4 days SO ₂	cm ³ /m ³	10
IEC/EN 60068-2-43	4 days H ₂ S	cm ³ /m ³	1
Ambient mechanical conditions			
Pollution degree			2
Degree of protection IEC/EN 60529			IP20
Vibrations (IEC/EN 60068-2-6)			
Constant amplitude 0.15 mm		Hz	10...57
Constant acceleration, 2 g		Hz	57...150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11		Shocks	18
Drop IEC/EN 60068-2-31	Drop height	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	1
Power supply			
Rated operating voltage	U _e	V DC	24
Permissible range		V DC	20.4...28.8
Residual ripple		%	≤ 5
Input current at 24 V DC		mA	210
Voltage dips (IEC/EN 61131-2)		ms	10
Power loss at 24 V DC		W	5



				EASY221-CO	EASY222-DN	NZM-XDMI-DPV1
General						
Standards				EN 55011, EN 55022, EN 61000-4, IEC 60068-2-6, IEC 60068-2-27		
Dimensions (W x H x D)		mm		35.5 x 90 x 58 (2 space units)	35.5 x 90 x 58 (2 space units)	35.5 x 90 x 58 (2 space units)
Weight		kg		0.15	0.15	0.15
Mounting				Top-hat rail EN 50022, 35 mm or screw fixing using fixing brackets ZB4-101-GF1 (accessories)		
Terminal capacity						
Solid		mm ²		0.2x4 (AWG 22 – 12)	0.2x4 (AWG 22 – 12)	0.2x4 (AWG 22 – 12)
Flexible with ferrule		mm ²		0.2x2.5 (AWG 22 – 12)	0.2x2.5 (AWG 22 – 12)	0.2x2.5 (AWG 22 – 12)
Standard screwdriver		mm		3.5 x 0.8	3.5 x 0.8	3.5 x 0.8
Max. tightening torque		Nm		0.6	0.6	0.6
Ambient climatic conditions						
Operating ambient temperature		°C		-25 to 55, low temperatures to IEC 60068-2-1, high temperatures to IEC 60068-2-2		
Condensation				Prevent condensation by means of suitable measures		
Storage		°C		40 – 70	40 – 70	40 – 70
Relative humidity, non-condensing (IEC/EN 60068-2-30)		%		5 – 95	5 – 95	5 – 95
Air pressure (in operation)		hPa		795 – 1080	795 – 1080	795 – 1080
Corrosion resistance						
IEC/EN 60068-2-42	4 days SO ₂	cm ³ /m ³		10	10	10
IEC/EN 60068-2-43	4 days H ₂ S	cm ³ /m ³		1	1	1
Ambient mechanical conditions						
Pollution degree				2	2	2
Degree of protection (IEC/EN 60529)				IP20	IP20	IP20
Vibrations (IEC/EN 60068-2-6)						
Constant amplitude 0.15 mm		Hz		10 – 57	10 – 57	10 – 57
Constant acceleration, 2 g		Hz		57 – 150	57 – 150	57 – 150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Shocks		18	18	18
Drop (IEC/EN 60068-2-31)	Drop height	mm		50	50	50
Free fall, packaged (IEC/EN 60068-2-32)		m		1	1	1
Mounting position				horizontal x vertical	horizontal x vertical	horizontal x vertical
Electromagnetic compatibility (EMC)						
Electrostatic discharge (IEC/EN 61000-4-2, Level 3, ESD)						
Air discharge		kV		8	8	8
Contact discharge		kV		6	6	6
Electromagnetic fields (IEC/EN 61000-4-3, RFI)		V/m		10	10	10
Radio interference suppression (EN 55011)				EN 55011 Class B EN 55022 Class B		EN 55011 Class A EN 55022 Class A
Burst impulse (IEC/EN 61000-4-4, Level 3)						
Supply cables		kV		2	2	2
Signal cables		kV		2	2	2
High-energy pulses (surge) (IEC/EN 61000-4-5, Level 2)		kV		0.5 (supply cables, symmetrical)		
Immunity to line-conducted interference (IEC/EN 61000-4-6)		V		10	10	10

			EASY221-C0	EASY222-DN	NZM-XDMI-DPV1
Insulation resistance					
Clearances and creepage distances			EN 50178, UL 508, CSA C22.2, No. 142		
Insulation resistance			EN 50178		
Power supply					
Rated operating voltage	U _e	V	24 (-15/+20 %)	24 (-15/+20 %)	24 (-15/+20 %)
Permissible range		V DC	20.4 – 28.8	20.4 – 28.8	20.4 – 28.8
Ripple		%	< 5	< 5	< 5
At 24 V DC		mA	typ. 200	typ. 200	typ. 200
Voltage dips (IEC/EN 61131-2)		ms	10	10	10
Heat dissipation at 24 V DC		W	4.8	4.8	4.8
Polarity reversal protection					
Power supply			Yes	Yes	Yes
LED indicators					
Power supply			RUN LED (RUN): green	Module status LED (MS): green	Power LED (POW): green
LED display			LED ERROR (ERR): red	Network status LED (NS): red/green	PROFIBUS-DP LED (BUS): red
Network					
Terminal type			RJ45	5 pole, pluggable screw terminal	SUB-D 9 pole, socket
Potential isolation			Between bus and power supply (simple), between bus and power supply and NZM-XDMI612 (safe isolation)	Between bus and power supply (simple), between bus and power supply and NZM-XDMI612 (safe isolation)	Between bus and power supply (simple), between bus and power supply and NZM-XDMI612
Function			CANopen slave	DeviceNet slave	PROFIBUS-DP slave
Interface			CAN	CAN	RS 485
Bus protocol			CANopen	DeviceNet	PROFIBUS-DP
Baud rates			Automatic search up to 1 MBit/s	Automatic search up to 500 kBit/s	Automatic search up to 12 MBit/s
Bus terminating resistors			Separate external bus termination required (120 Ω) NZM-XDMI612	Separate external bus termination required (120 Ω) NZM-XDMI612	Separate external bus termination required
Bus addresses			1 – 127 addressed via display	0 – 63 addressed via display	1 – 126 via DMI
Services					
Cyclical			All data R1 – R16, S1 – S8	All data R1 – R16, S1 – S8	Status On/Off, tripped (detailed), load early warnings, phase currents I ₁ /I ₂ /I ₃ [A], remote operator actuation, display/operation NZM-XDMI612, inputs/outputs, motor starter functions
Acyclical			Read/write, real-time, day, summer/winter time, all parameters of the easy function relay	Read/write, real-time, day, summer/winter time, all parameters of the easy function relay	Display/match protection protection settings, event list, identification, hours of operation, switching operations, time



			NZM-XSWD-704
General			
Standards			IEC/EN 61131-2 EN 50178
Dimensions (W x H x D)		mm	35 x 90 x 101
Weight		kg	0.1
Mounting			Top-hat rail IEC/EN 60715, 35 mm
Built-in position			Vertical
Ambient mechanical conditions			
Degree of protection (IEC/EN 60529)			IP20
Vibrations (IEC/EN 61131-2:2008)			
Constant amplitude 3.5 mm		Hz	5 ... 8.4
Constant acceleration, 1 g		Hz	8.4 ... 150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Shocks	9
Drop (IEC/EN 60068-2-31)	Drop height	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	0.3
Electromagnetic compatibility (EMC)			
Overvoltage category			II
Pollution degree			2
Electrostatic discharge (IEC/EN 61131-2:2008)			
Air discharge (Level 3)		kV	8
Contact discharge (Level 2)		kV	4
Electromagnetic fields (IEC/EN 61131-2:2008)			
80 -1000 MHz		V/m	10
1.4-2 GHz		V/m	3
2-2.7 GHz		V/m	1
Radio interference suppression (SmartWire-Darwin)			EN 55011 Class A
Burst (IEC/EN 61131-2:2008, Level 3)			
Supply cables		kV	2
Signal cables		kV	1
SmartWire-Darwin cables		kV	1
Surge (IEC/EN 61131-2:2008, Level 1)			–
Radiated RFI (IEC/EN 61131-2:2008, Level 3)		V	10
Ambient climatic conditions			
Operating ambient temperature (IEC 60068-2)		°C	–25 ... +55
Condensation			Prevent with suitable measures
Storage		°C	–40 ... 70
Relative humidity, non-condensing (IEC/EN 60068-2-30)		%	5 ... 95
SmartWire-Darwin interface			
Station type			SmartWire-Darwin station (slave)
Baud rate setting			Automatic
SmartWire-Darwin status		LED	Green
Connection			8-pin connector Connection plug: External device plug SWD4-8SF2-5
Power consumption (15 V SWD supply)			See separate table
Supply and I/O connection			
Connection type			Push-In
Solid		mm ²	0.2-1.5 (AWG 24-16)
Flexible with ferrule ¹⁾		mm ²	0.25-1.5
24 V DC supply for output supply			
Rated operating voltage	U _e	V	–
Input voltage residual ripple		%	–
Polarity reversal protection reversal			–

Notes¹⁾ Minimum length 8 mm.

			NZM-XSWD-704
Digital inputs			
Number			2
Input current		mA	Typically 4 at 24 V DC
Voltage level to IEC/EN 61131-2			
Limit value type 1			Low < 5 V DC; High > 15 V DC
Input delay			High → Low typically < 0.2 ms Low → High typically < 0.2 ms
Status display inputs		LED	Yellow
Digital semiconductor outputs			
Number			2
Output current		A	0.2 at 24 V DC
Short-circuit tripping current		A	–
Lamp load	R _{LL}	W	–
Overload proof			Yes, with diagnostics
Switching capacity			EN 60947-5-1 utilization category DC-13
Relay outputs			
Number			–
Contact type			–
Operations			
Utilization category AC-1, 250 V, 6 A			–
Utilization category AC-15, 250 V, 3 A			–
Utilization category DC-13, 24 V, 1 A			–
Safe disconnection		V AC	–
Minimum load current		mA	–
Response/reset time		ms	–
Bounce duration		ms	–
Short-circuit protection			–
Status display outputs		LED	–
Potential isolation			
Inputs for SmartWire-Darwin			Yes
Semiconductor outputs to SmartWire-Darwin			Yes
Semiconductor outputs to inputs			–
Relays to SmartWire-Darwin			–
Relays to inputs			–
Relays to relays			–



		NZM2-XMC-S0	NZM3-XMC-S0	NZM2/3-XMC-MB
General				
Dimensions	mm	209 × 91 × 132 (3 pole) 251 × 91 × 132 (4 pole)	209 × 91 × 132 (3 pole) 251 × 91 × 132 (4 pole)	209 × 91 × 132 (3 pole) 251 × 91 × 132 (4 pole)
Weight	g	850 (3 pole) 975 (4 pole)	850 (3 pole) 975 (4 pole)	850 (3 pole) 975 (4 pole)
Material characteristic		UL94-V0	UL94-V0	UL94-V0
Environmental conditions				
Operating temperature	°C	-15-+65	-15-+65	-15-+65
Storage temperature	°C	-40-+80	-40-+80	-40-+80
Humidity (non-condensed)	%	5-95	5-95	5-95
Maximum operating altitude	m	2000	2000	2000
IP protection class		IP 20	IP 20	IP 20
Supply				
Voltage	V DC	18 – 36	18 – 36	18 – 36
Maximum current	mA	200	200	200
Conductors		Phoenix Contact GMVSTBR 2.5-2-ST-7.62	Phoenix Contact GMVSTBR 2.5-2-ST-7.62	Phoenix Contact GMVSTBR 2.5-2-ST-7.62
Voltage measurement				
Rated operating voltage	V AC	690	690	690
Maximum surge voltage at 8/20 ms	kV	8	8	8
Maximum voltage	V AC	800	800	800
Surge impedance (impedance)	kohms	1	1	1
Frequency	Hz	45-65	45-65	45-65
Accuracy		0.4 % measured value +0.05 % FS	0.4 % measured value +0.05 % FS	0.4 % measured value +0.05 % FS
Overvoltage category according to EN61010		CAT IV (600 V)	CAT IV (600 V)	CAT IV (600 V)
Current measurement				
Rated operational current	A AC	300	500	300 (NZM2)/500 (NZM3)
Maximum current	A AC	350	740	30
Maximum current impulse 1s	kA	30	30	30
Frequency	Hz	45-200	45-200	45-200
Category EN61010		CAT IV-600 V	CAT IV-600 V	CAT IV-600 V
Power measurement				
Maximum power (per phase)	kWh	-	-	280
Accuracy		-	-	0.95 % measurement + 0.05 % FS
Accuracy, active power		Class 1 (IEC62053-21)	Class 1 (IEC62053-21)	Class 1 (IEC62053-21)
Accuracy, reactive energy		-	-	Class 2 (IEC62053-23)
Pulse output				
Output type		NPN-isolated transistor	NPN-isolated transistor	NPN-isolated transistor
VCE max	V	80	80	80
VCE sat	V	0.4	0.4	0.4
Ic max	mA	50	50	50
Ic recommended	mA	10	10	10
Isolation	kV	3	3	3
Max. switching frequency	Hz	2	2	4
Pulse width	ms	120	120	≥ 20
Pulse rate power	Pulses/kW h	15	7.5	
Digital output				
Type		-	-	
Maximum voltage	V	-	-	350
Maximum current	mA	-	-	120
Isolation	kV	-	-	2.5
Digital input				
Maximum voltage	V	-	-	50
VIHmax	V	-	-	3
MODBUS output-RS485				
Data rate	bit/s	-	-	9600, 19200, 38400, 56000, 57600
Stop bits		-	-	1, 2
Parity		-	-	None, odd, even
Isolation	kV	-	-	3
Output – display				
DC supply voltage	V DC	-	-	5
Maximum current	mA	-	-	180



Dimensions

Circuit-breakers

Switch-disconnectors

3 pole

NZMB1

NZMC1

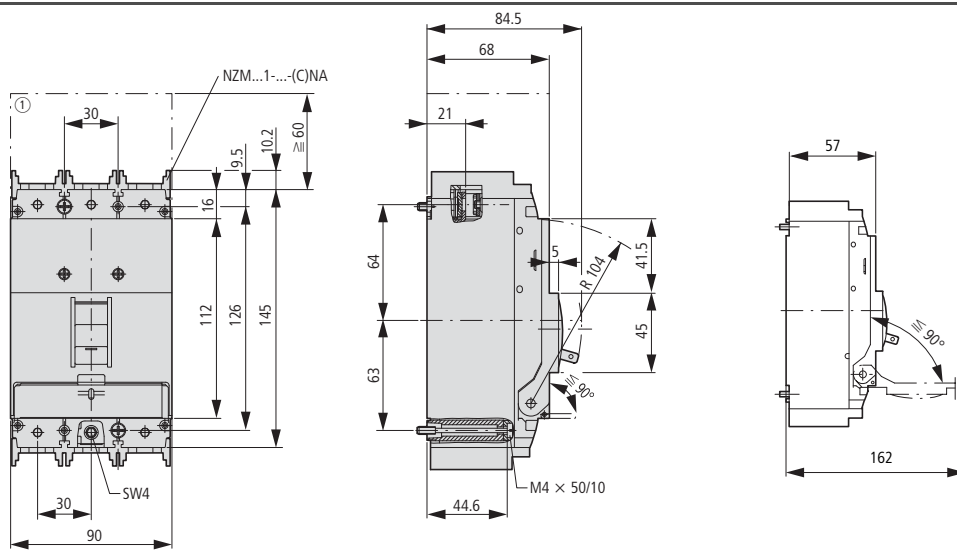
NZMN1

NZMH1

PN1

N1

NS1



① Blow-out area, minimum distance to other parts ≥ 60 mm

Circuit-breakers

Switch-disconnectors

4 pole

NZMB1-4

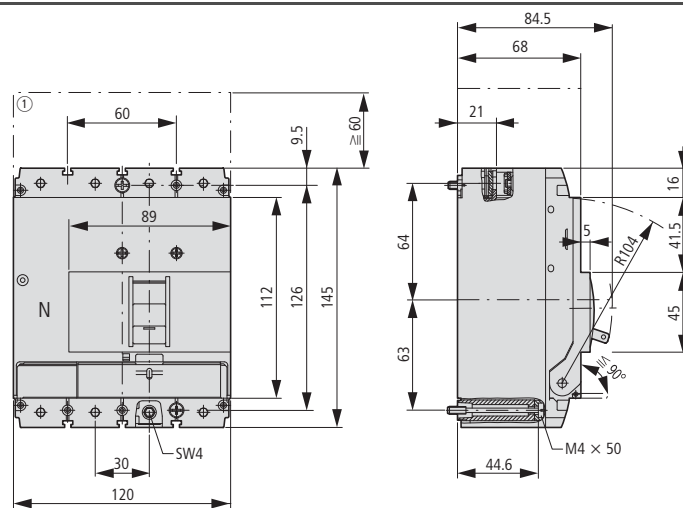
NZMC1-4

NZMN1-4

NZMH1-4

PN1-4

N1-4



① Blow-out area, minimum distance to other parts ≥ 60 mm

Covers

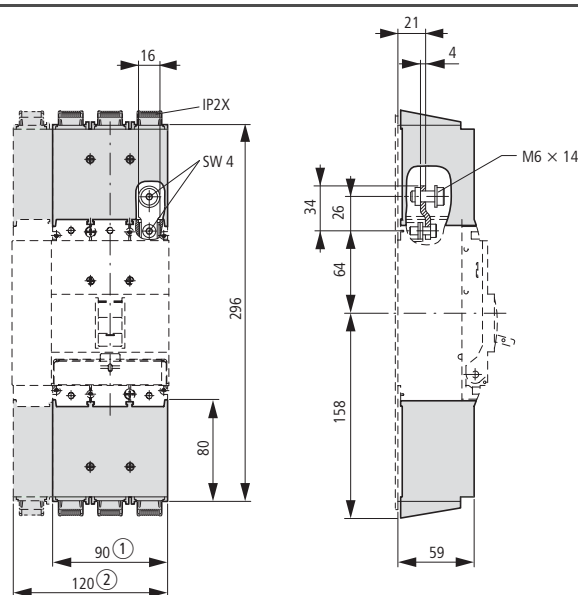
NZM1(-4)-XKSA

Screw terminals

NZM1(-4)-XKS

IP2X protection against contact with a finger for cover

NZM1(-4)-XIPA



① 3 pole

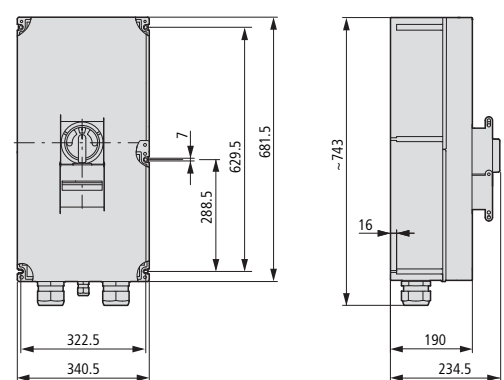
② 4 pole

Switch-disconnectors

ATEX22-type

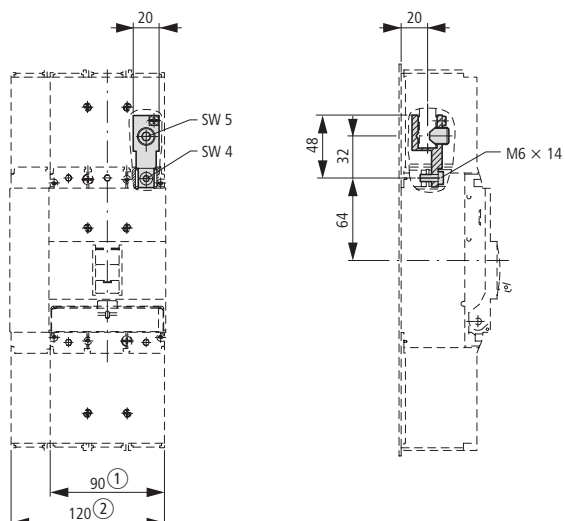
3 pole

PN1../ATEX22



Tunnel terminal

NZM1(-4)-XKA

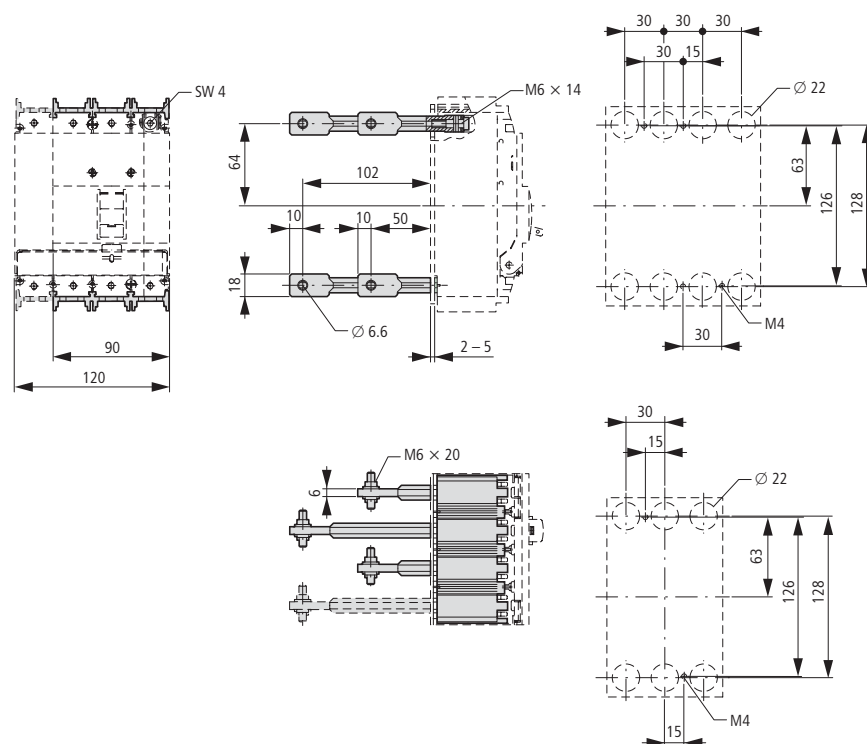


① 3 pole

② 4 pole

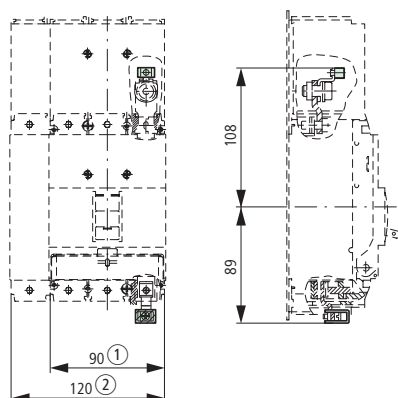
Rear terminal bolts

NZM1(4)-XKR



Control cable terminals

NZM1-XIPK, NZM-XSTK

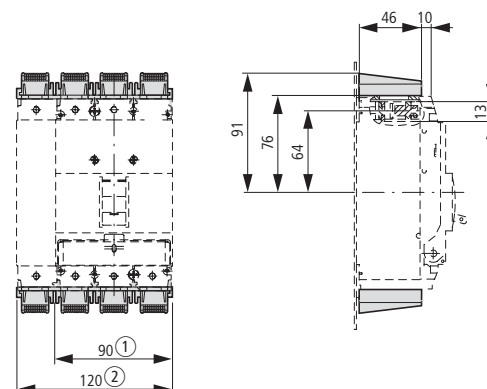


① 3 pole

② 4 pole

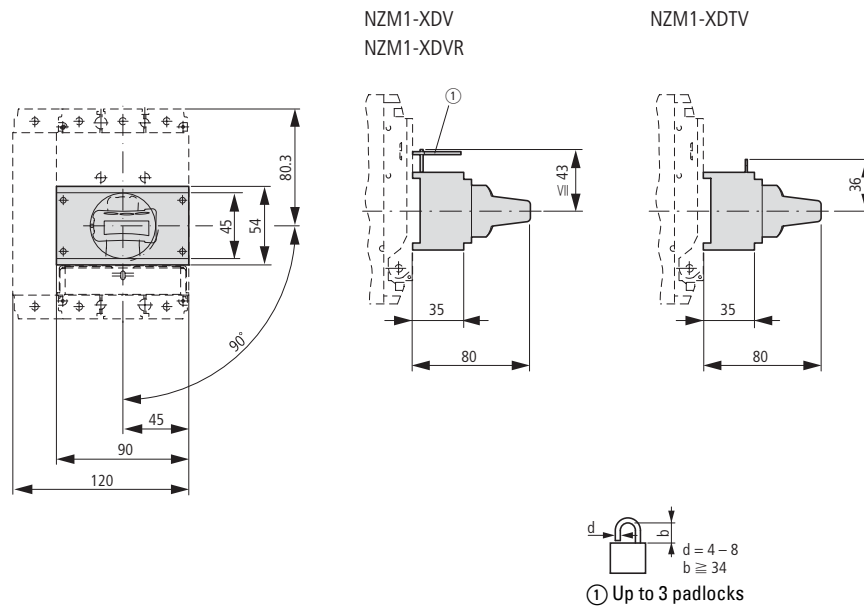
IP2X protection against contact with finger

NZM1(-4)-XIPK



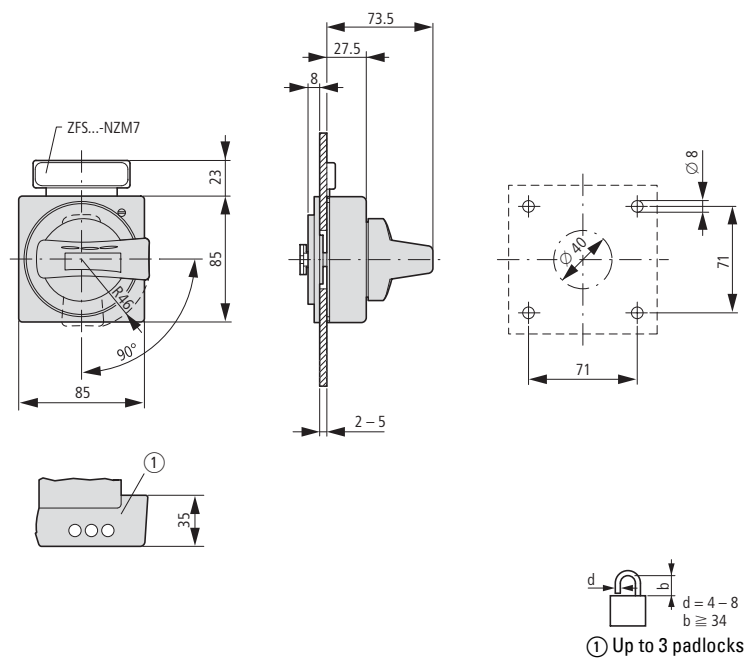
Rotary mechanism

Rotary handle on circuit-breaker



Door coupling rotary handles

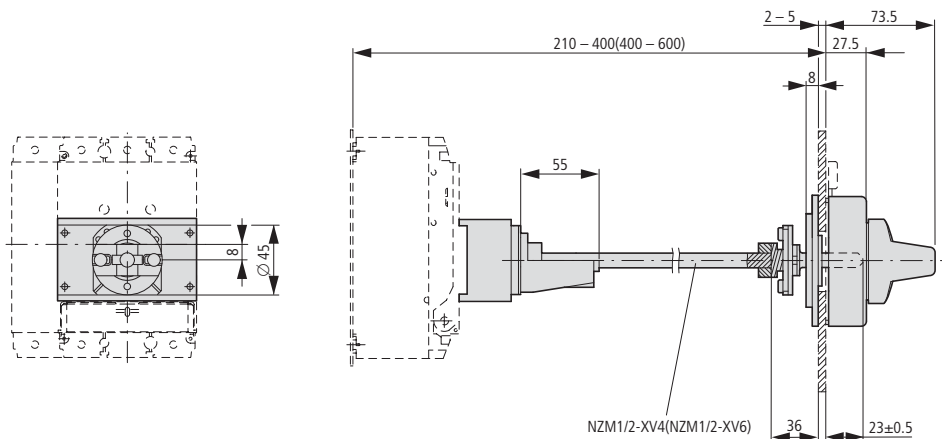
NZM1-XTVD(V)(R)(-NA)



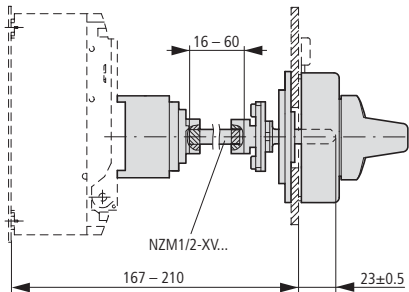
NZM1-XTVD...

Door coupling rotary handle with extension shaft

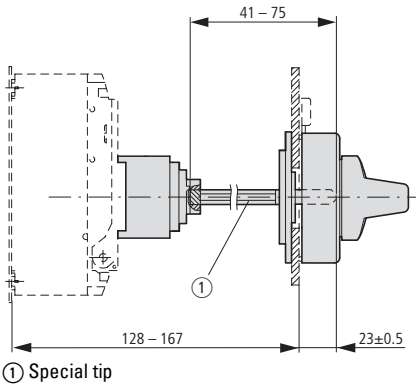
NZM1-XTVD(V)(R)(-NA)
NZM1/2-XV4(6)



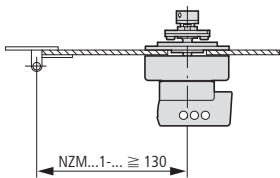
NZM1-XTVD(V)(R)-60(-NA)



NZM1-XTVD(V)(R)-0(-NA)

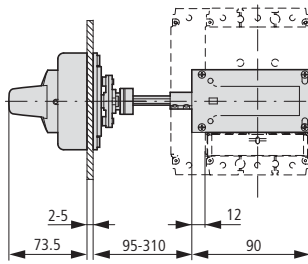


Minimum distance of door coupling rotary handle from door pivot point

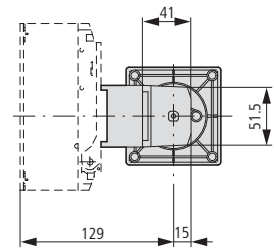
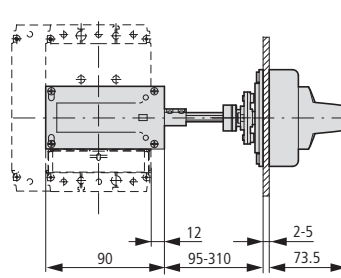
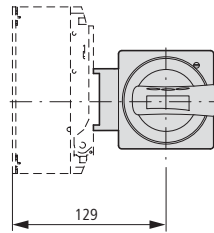


Main switch assembly kit for side wall installation

NZM1-XS(R)-L

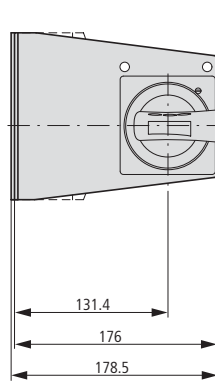
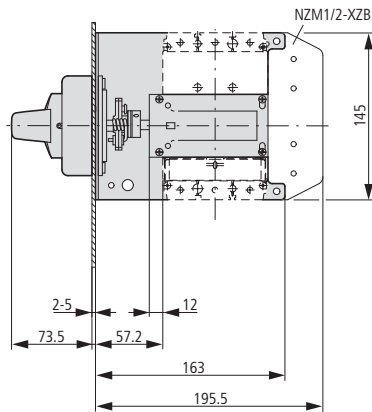


NZM1-XS(R)-R

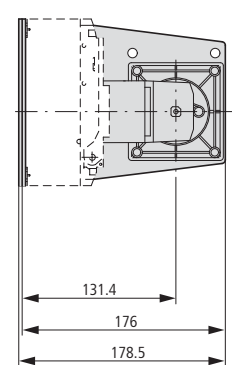
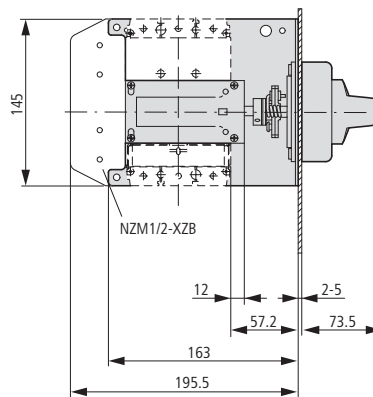


Main switch assembly kit for side wall installation with mounting bracket

NZM1-XS(R)M-L



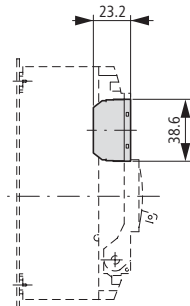
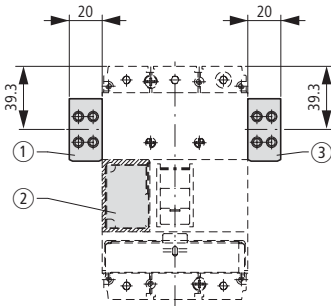
NZM1-XS(R)M-R



Undervoltage releases

Shunt releases (for power circuit breaker)

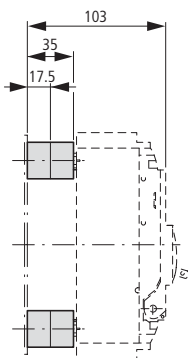
Early-make auxiliary contacts



- ① NZM1-XA(HIV)
NZM1-XU(HIV)(20)
NZM1-XHIV
- ② NZM1-XA(HIV)(L)
NZM1-XU(V)(HIV)(L)(20)
NZM1-XHIV(L)
- ③ NZM1-XHIVR

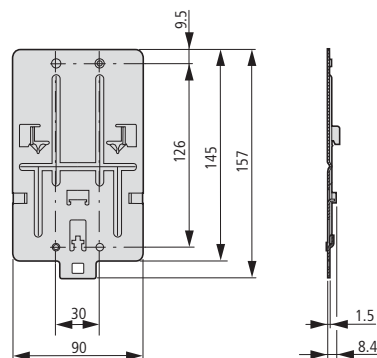
Spacers

NZM1/2-XAB



Clip plate

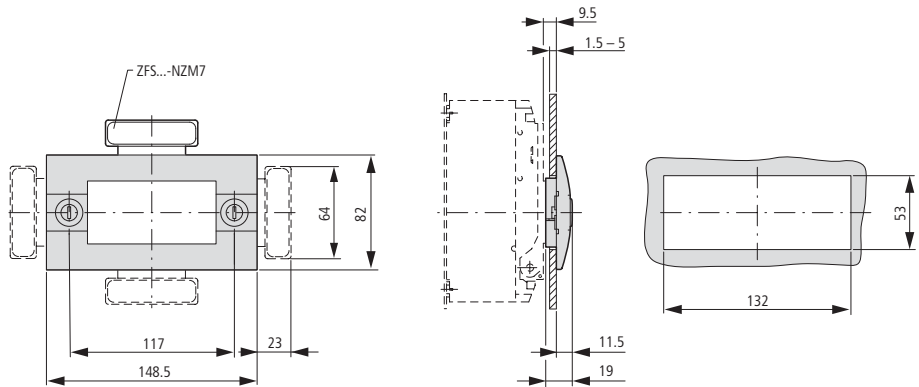
NZM1-XC35



Insulating surround

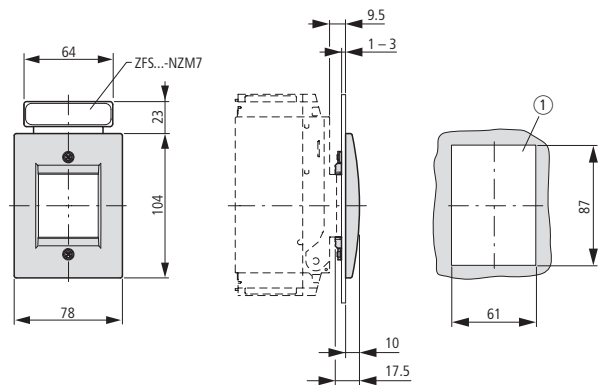
NZM1-XBR

Mounting aperture



Insulating surround

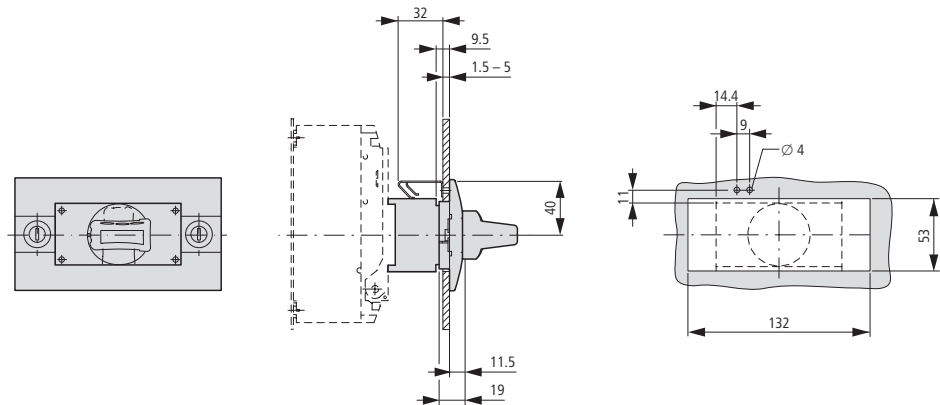
NZM1-XBRS



Rotary handle on switch with door interlock

NZM1-XDTV(R)

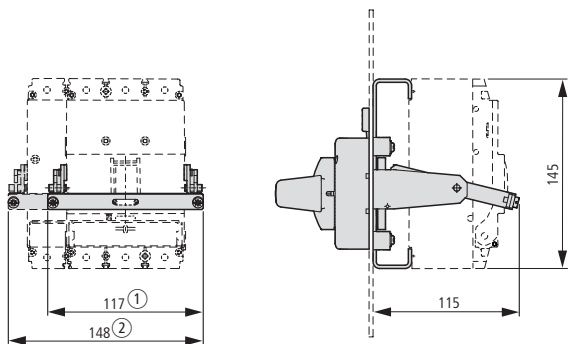
Mounting aperture



Rear-mounted drives

NZM1-XRAV(R)

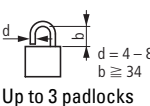
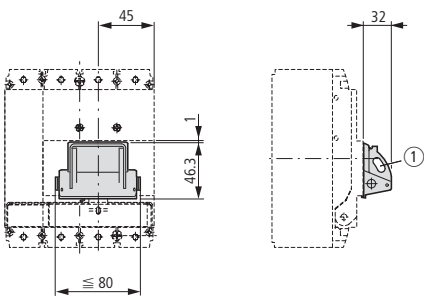
NZM1-4-XRAV(R)



- ① NZM1-XRAV(R)
- ② NZM1-4-XRAV(R)

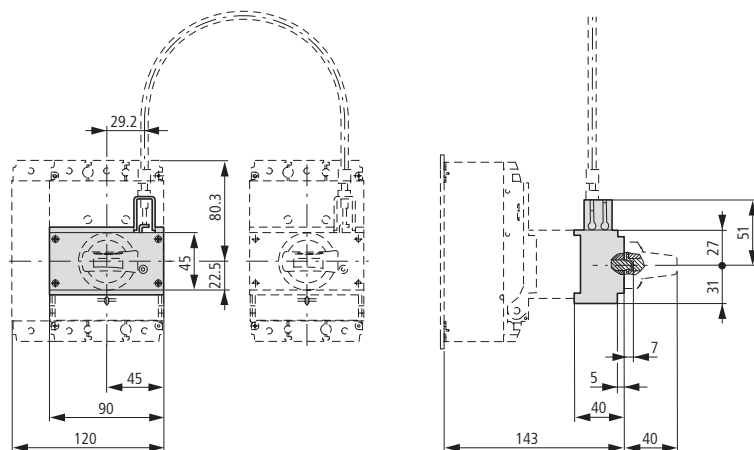
Toggle lever locking device

NZM-XKAV

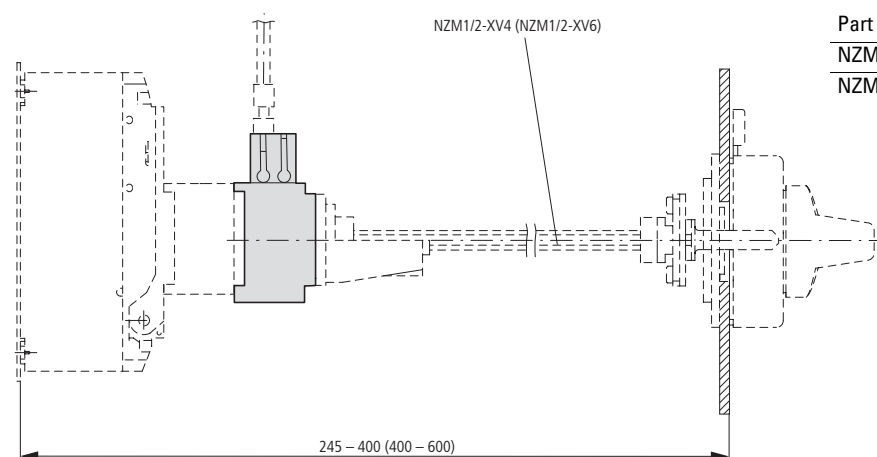


Mechanical interlock

NZM1-XMV + NZM1-XDV(R)

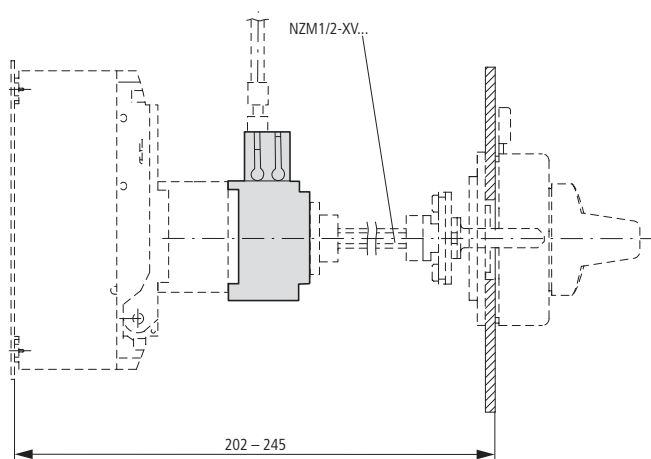


NZM1-XMV + NZM1-XTVD(V)(R)

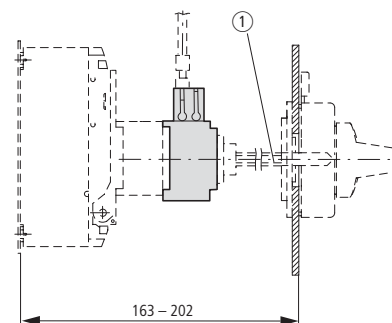


Part no.	x
NZM1/2-XV4	245 - 400
NZM1/2-XV6	400 - 600

NZM1-XMV + NZM1-XTVD(V)(R)-60



NZM1-XMV + NZM1-XTVD(V)(R)-0

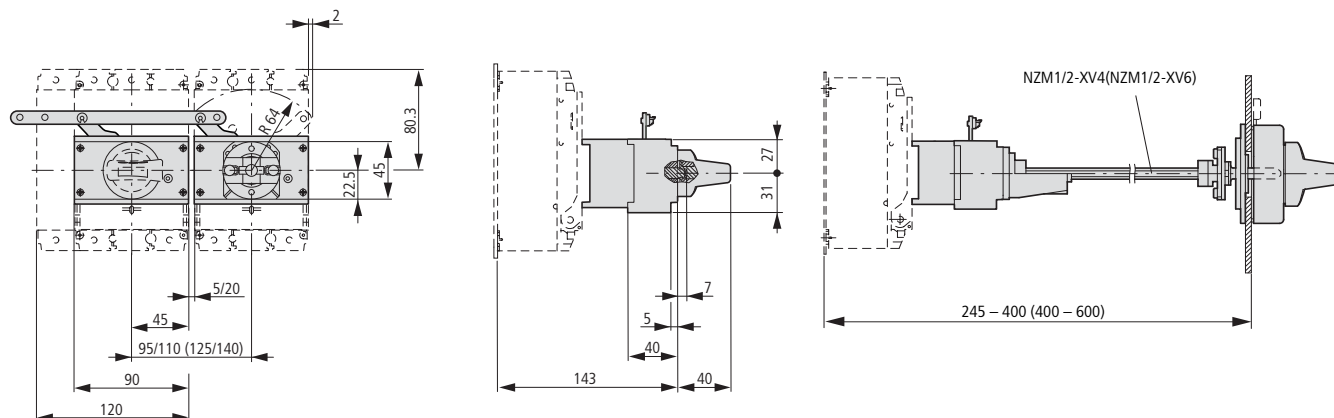


① Special tip



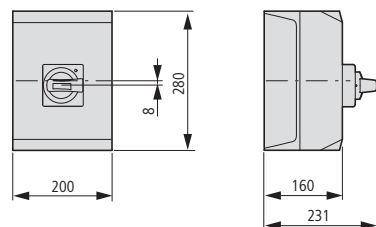
Paralleling mechanism

PN1-XPA

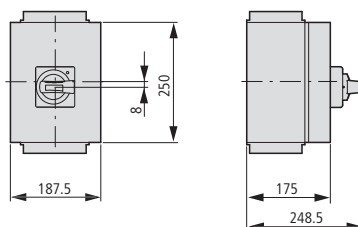


Insulated enclosures

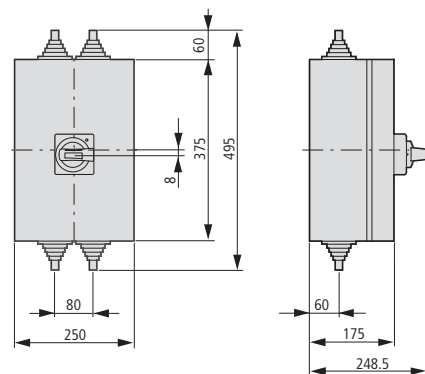
NZM1-XCIK5-T...



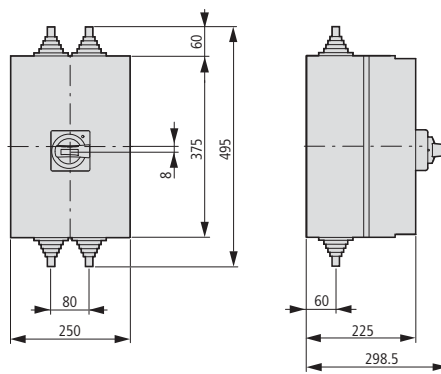
NZM1-XCI23-T...



NZM1-XCI43-T...

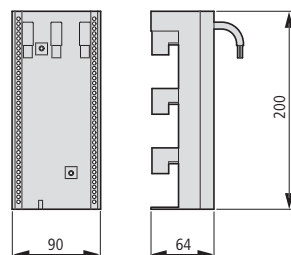


NZM1-XCI43/2-T...



Component adapter

NZM1-XAD160

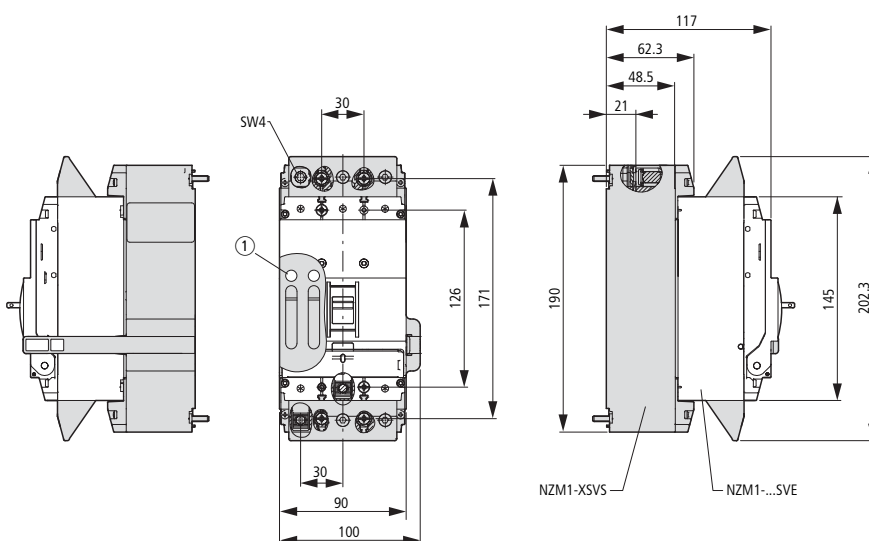


Plug-in units

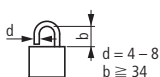
NZM1-XSVS with

NZM1-...-SVE

N1-...-SVE



① Up to 2 padlocks

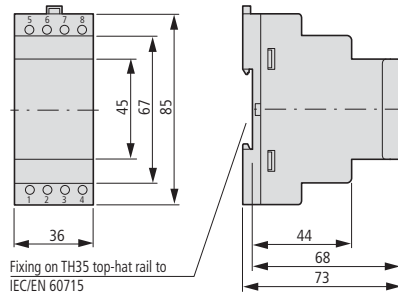


Residual-current relays

PFR-003

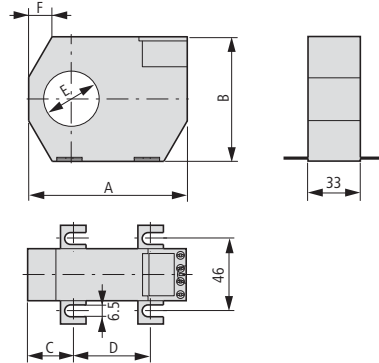
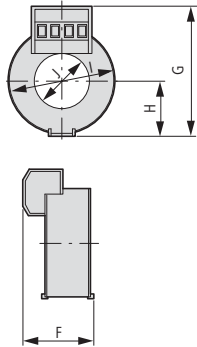
PFR-03

PFR-5

**Ring-type transformer**

PFR-W-20...30

PFR-W-35...210

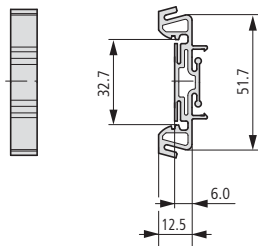


Part no.	F	G	H	I	J
PFR-W-20	32	60	24	46	21
PFR-W-30	32	70	30	59	30

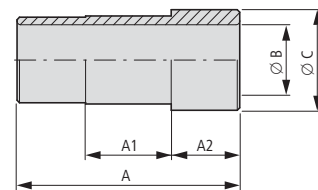
	A	B	C	D	E	F
PFR-W-35	100	79	26	48.5	35	35
PFR-W-70	130	110	32	66	70	52
PFR-W-105	170	146	38	94	105	72
PFR-W-140	220	196	48.5	123	140	97
PFR-W-210	299	284	69	161	210	141

Mounting clip

PFR-WC

**Magnetic shielding**

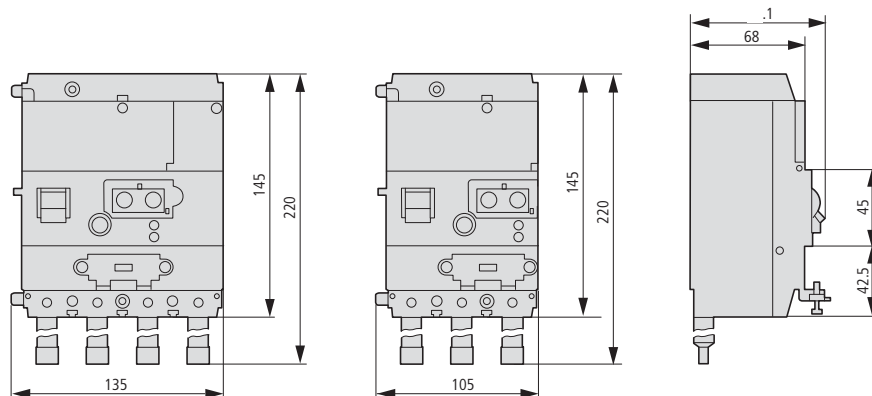
PFR-WMA



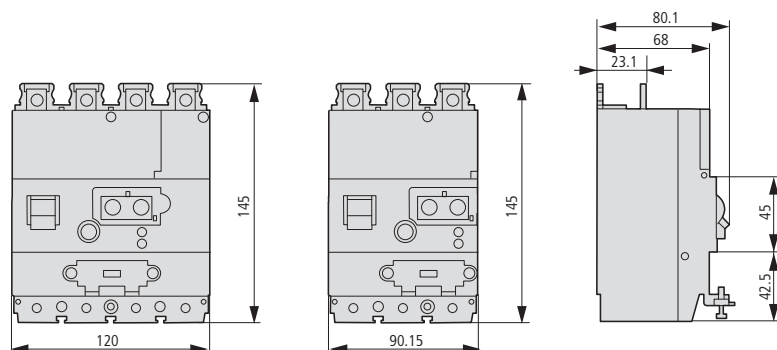
Part no.	A	B	C	A1	A2
PFR-WMA-35	91	28	40	35	28
PFR-WMA-70	105	62	75	35	35
PFR-WMA-105	153	98	110	35	60
PFR-WMA-140	153	133	145	35	60
PFR-WMA-210	153	203	215	35	60

Earth-fault release

NZM1(-4)-XFI...R



NZM1(-4)-XFI...U

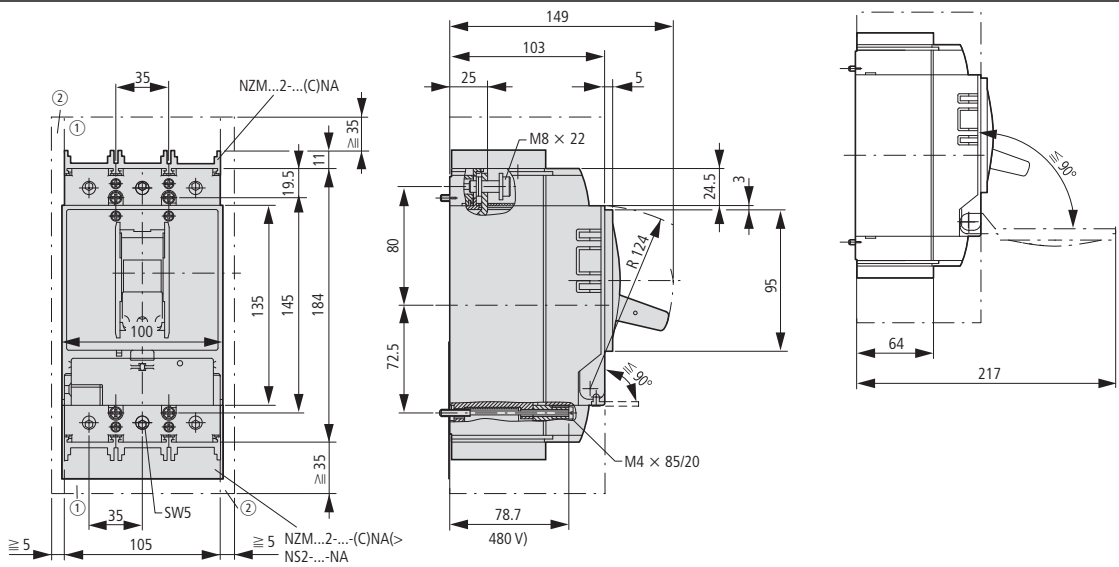


Circuit-breakers

Switch-disconnectors

3 pole

NZMB2
NZMC2
NZMN2
NZMH2
PN2
N2
NS2



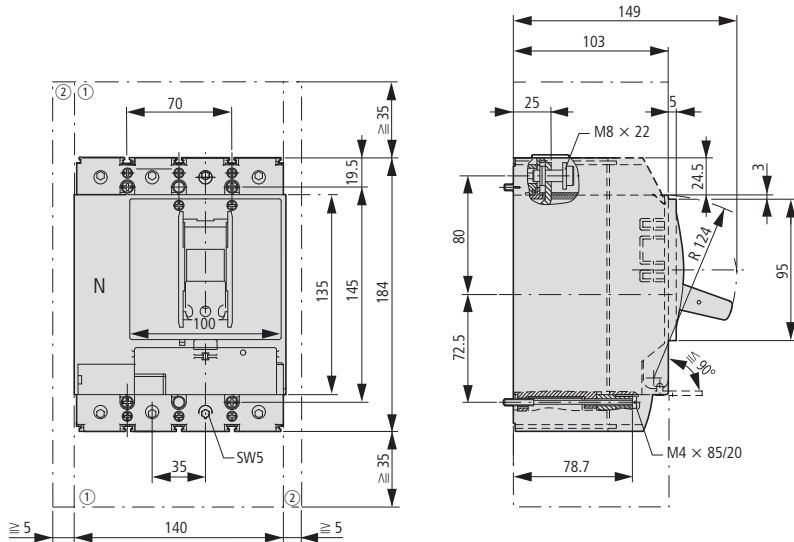
- ① Blow-out area, minimum distance to other parts ≥ 35 mm
- ② Minimum distance to adjacent parts ≥ 5 mm

Circuit-breakers

Switch-disconnectors

4 pole

NZMB2-4
NZMC2-4
NZMN2-4
NZMH2-4
PN2-4
N2-4



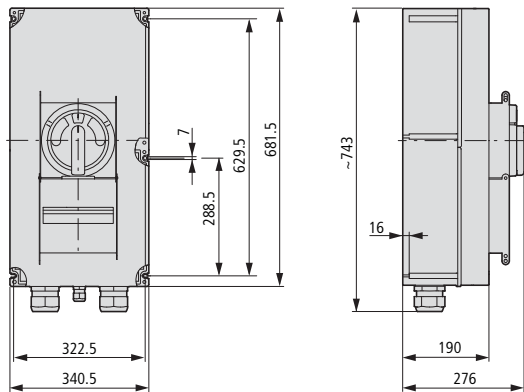
- ① Blow-out area, minimum distance to other parts ≥ 35 mm
- ② Minimum distance to adjacent parts ≥ 5 mm

Switch-disconnectors

ATEX22-type

3 pole

PN2.../ATEX22

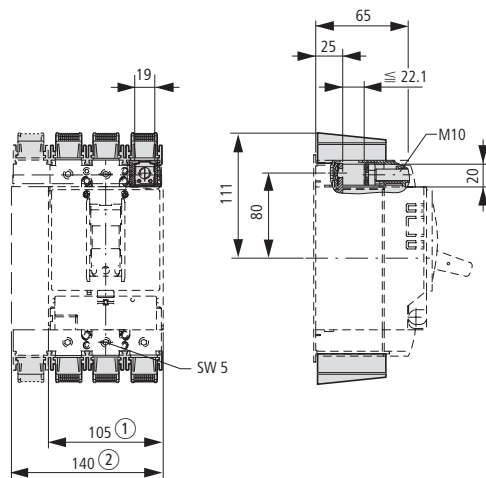


Box terminal

(+)NZM2(-4)-...-XKC(O)(U)

IP2X protection against contact with finger

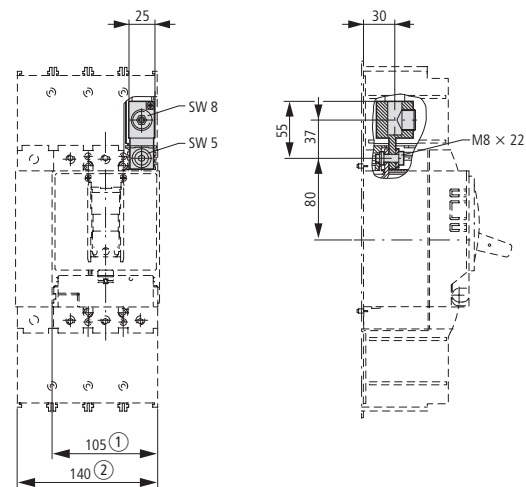
NZM2(-4)-XIPK



① 3 pole
② 4 pole

Tunnel terminal

NZM2(-4)-XKA



Covers

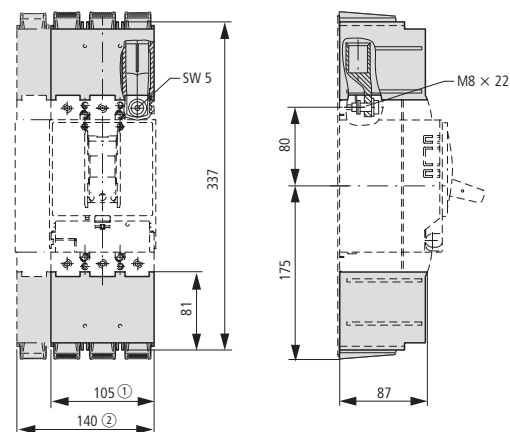
NZM2(-4)-XKSA

Cable lug

NZM2-XKS185

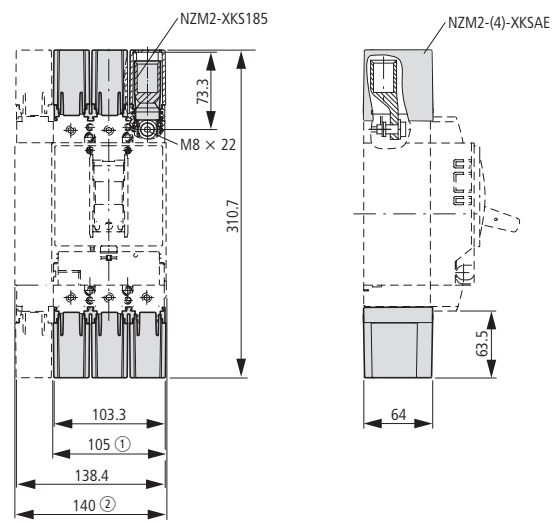
IP2X protection against contact with a finger for cover

NZM2(-4)-XIPA



Cable lug cover

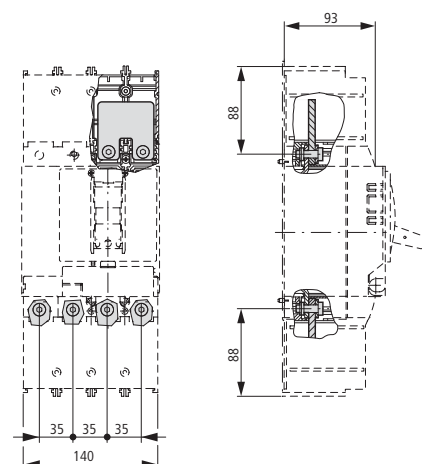
NZM2(-4)-XKSAE



① 3 pole
② 4 pole

Jumper kit

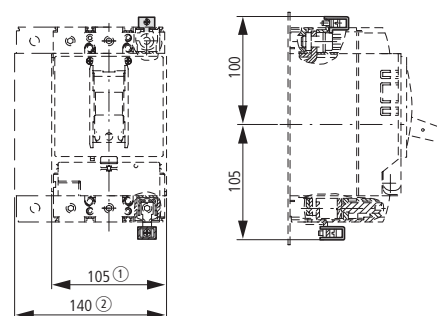
NZM2-4-XKVP



Control cable terminals

NZM2-XSTS

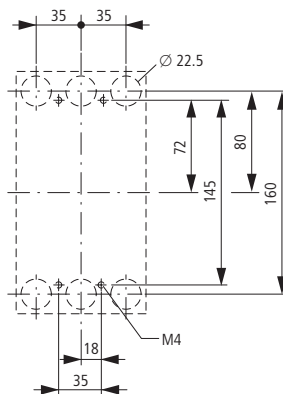
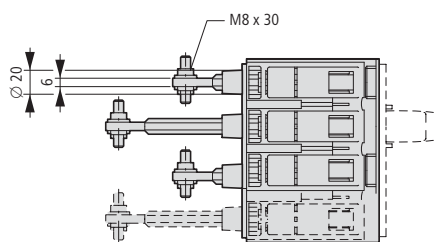
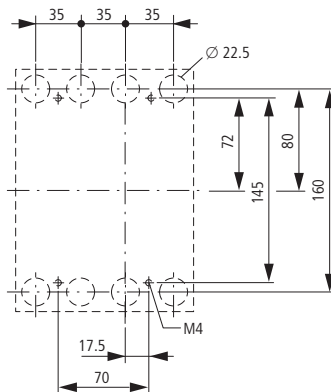
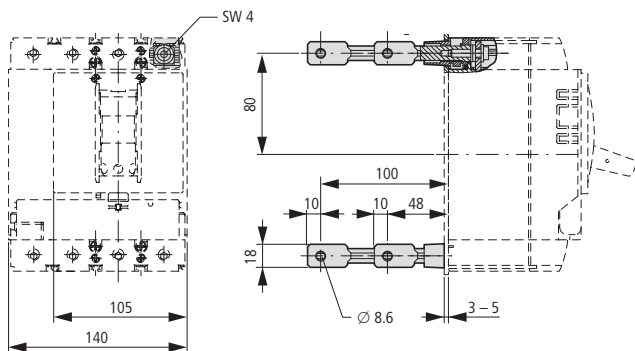
NZM-XSTK



① 3 pole
② 4 pole

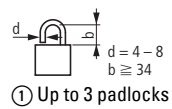
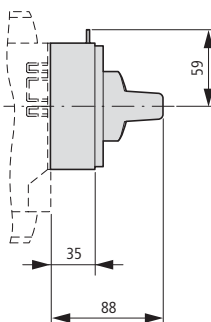
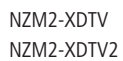
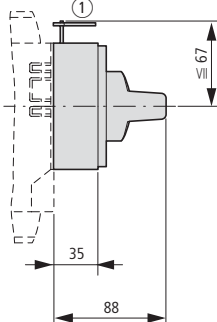
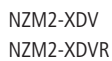
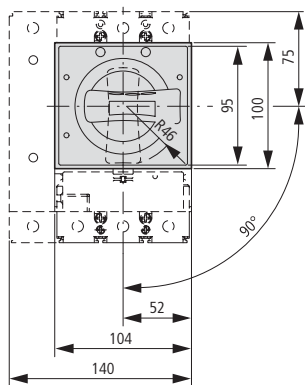
Rear terminal bolts

(+)NZM2(-4)-XKR(0)(U)



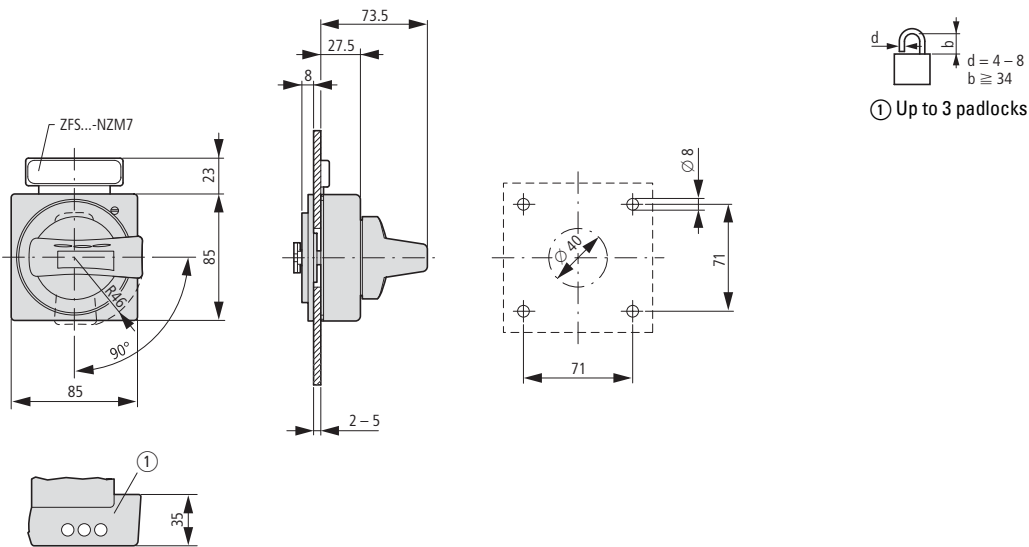
Rotary mechanism

Rotary handle on circuit-breaker



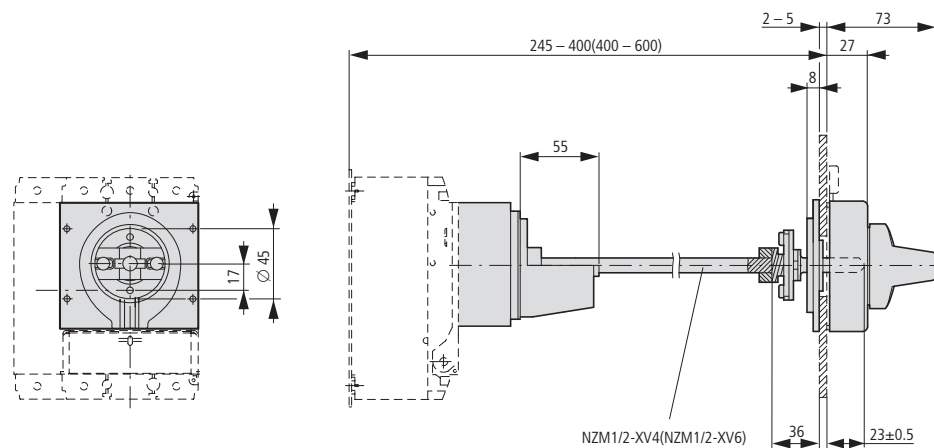
Door coupling rotary handles

NZM2-XTVD(V)(R)...



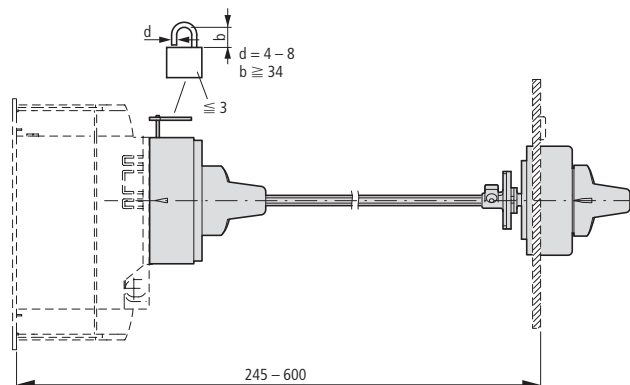
Door coupling rotary handle with extension shaft

NZM2-XTVD(V)(R)(-NA)
NZM1/2-XV4(6)



Main switch assembly kit with additional rotary handle

NZM2-XHB-DA(R)(-NA)

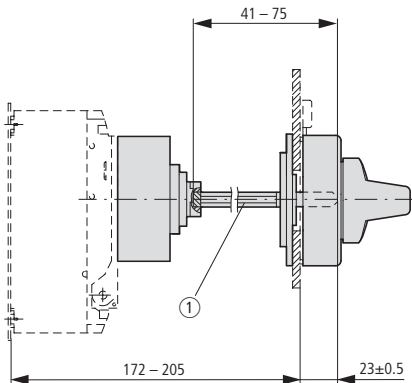
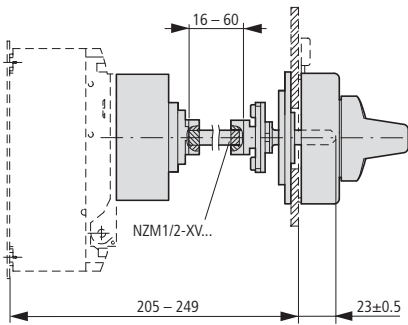


Door coupling rotary handle with extension shaft

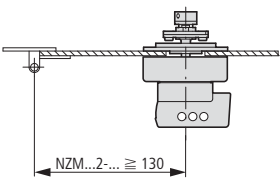
NZM2-XTVD(V)(R)-60(-NA)

NZM2-XTVD(V)(R)-0(-NA)

Minimum distance of door coupling rotary handle from door pivot point

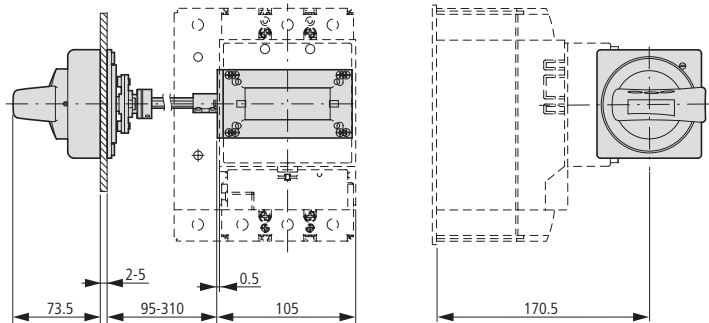


① Special tip

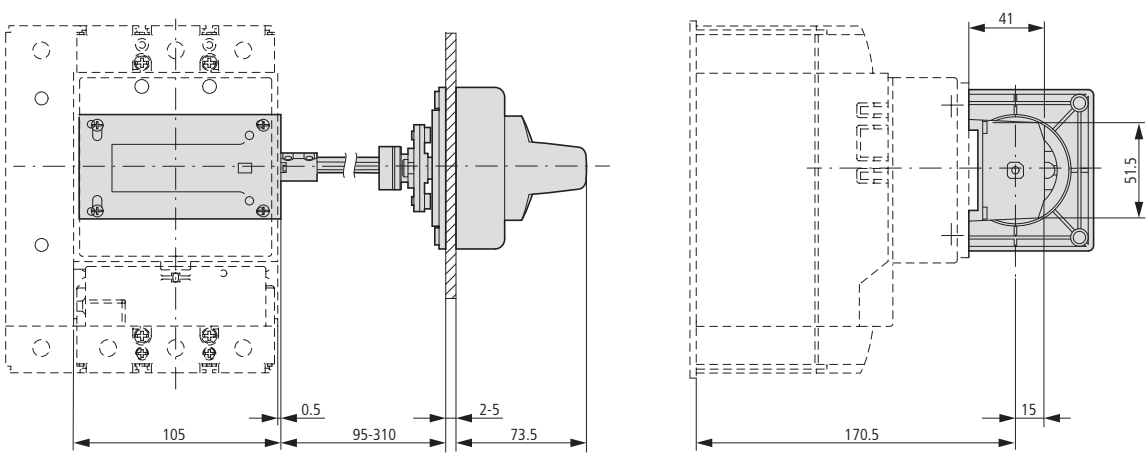


Main switch assembly kit for side wall installation

NZM2-XS(R)-L

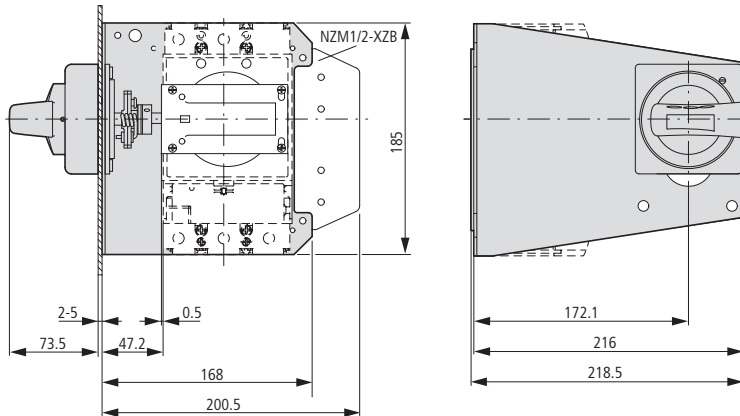


NZM2-XS(R)-R

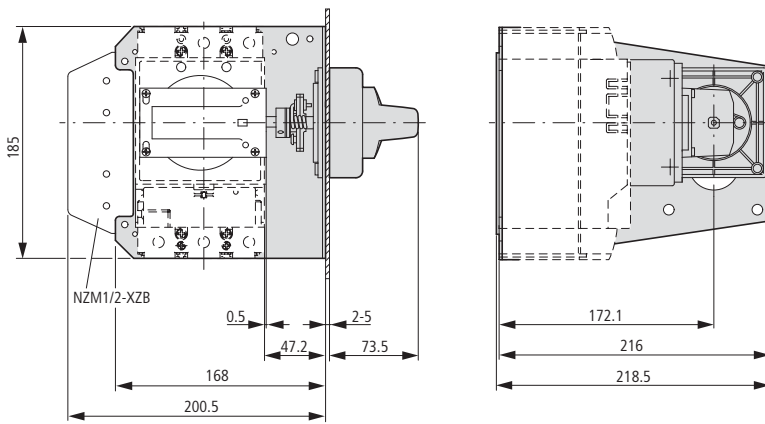


Main switch assembly kit for side wall installation with mounting bracket.

NZM2-XS(R)M-L

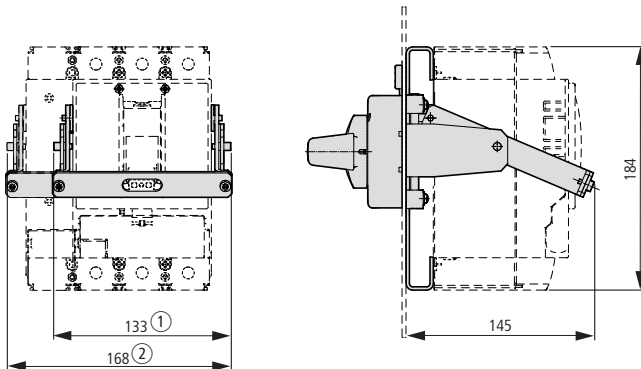


NZM2-XS(R)M-R



Rear-mounted drives

NZM2(-4)-XRAV(R)



- ① NZM2-XRAV(R)
- ② NZM2-4-XRAV(R)



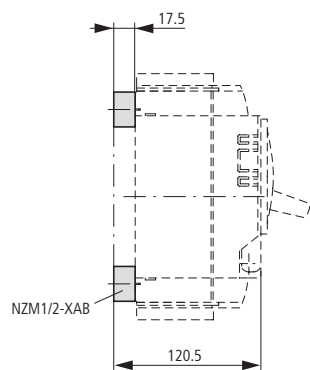
17/204 Circuit-breakers, switch-disconnectors

Construction size 2: accessories

NZM...-XAB, NZM2-XBR, NZM2-XDTV...

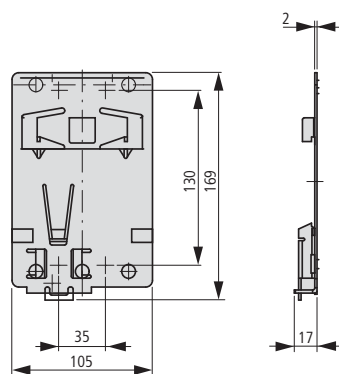
Spacers

NZM1/2-XAB



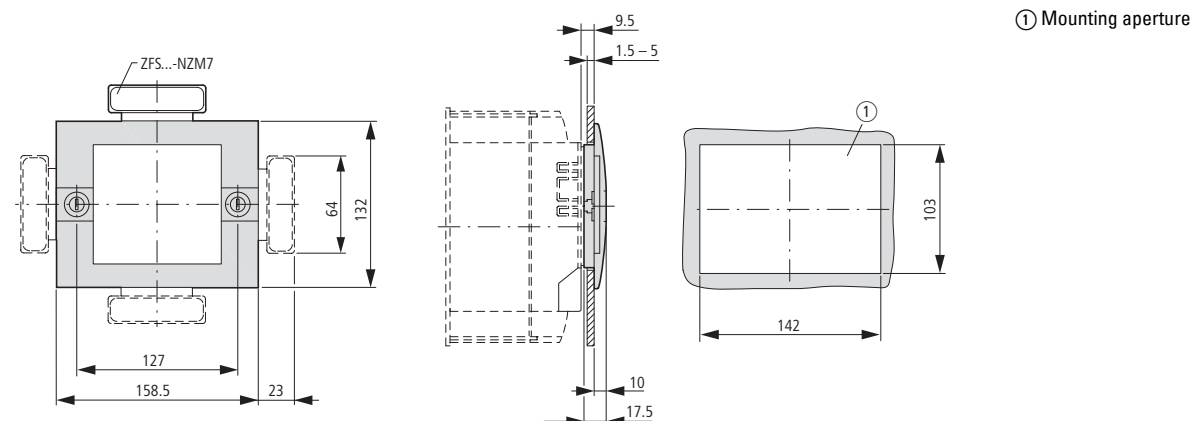
Clip plate

NZM2-XC75

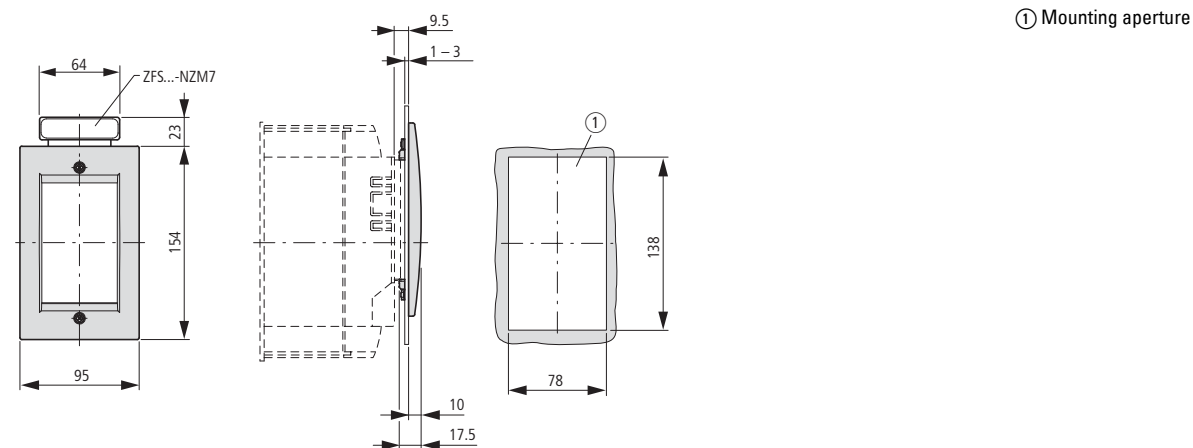


Insulating surround

NZM2-XBR

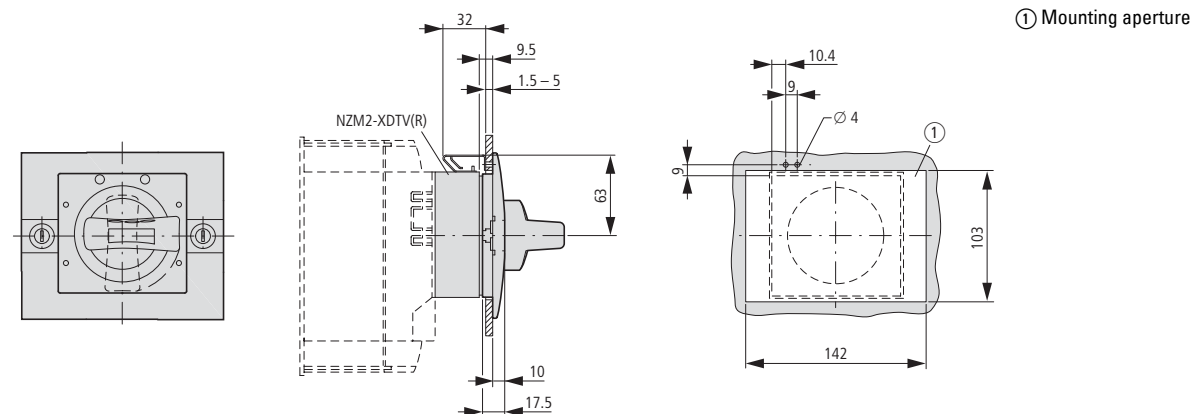


NZM2/3-XBRS



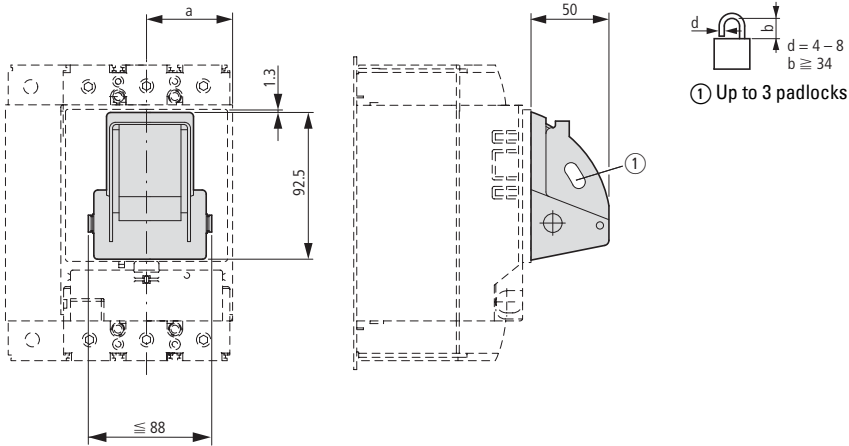
Rotary handle on switch with door interlock

NZM2-XDTV(R)



Toggle lever locking device

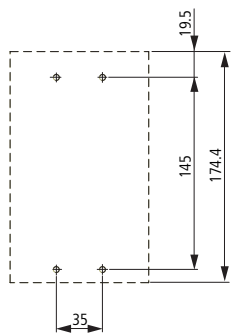
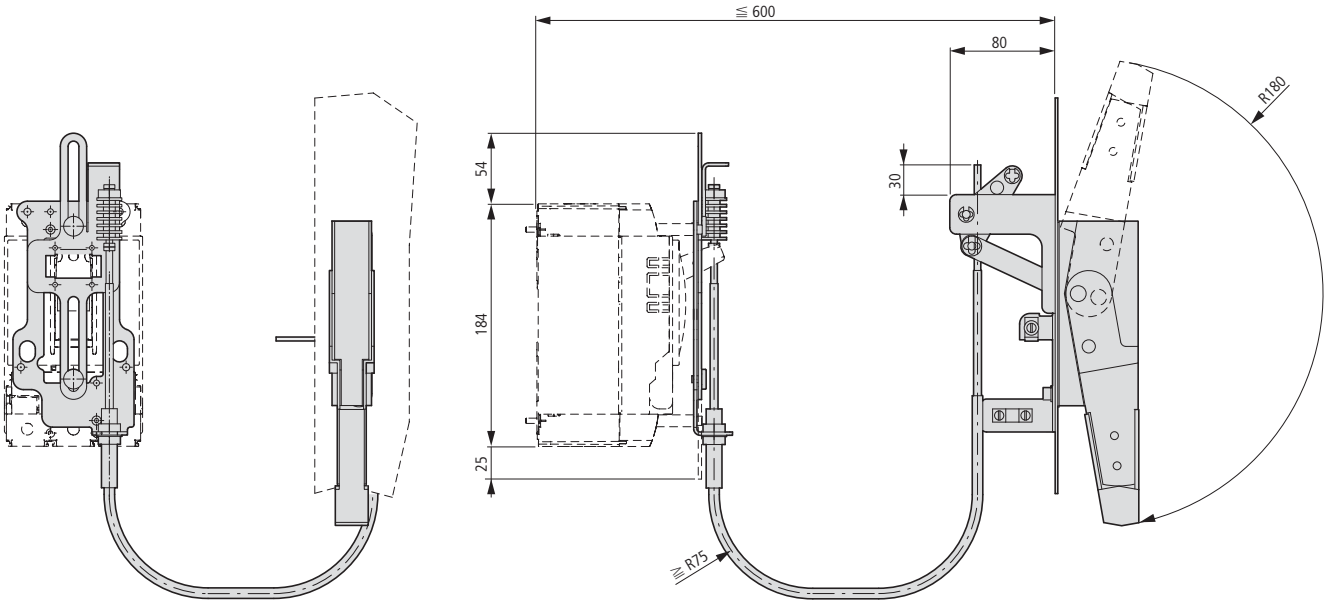
NZM2/3-XKAV



Part no.	a
NZM2, PN2, N2	52.5
NZM3, PN3, N3	70

Side-mounted handle

NZM2...-XSH...

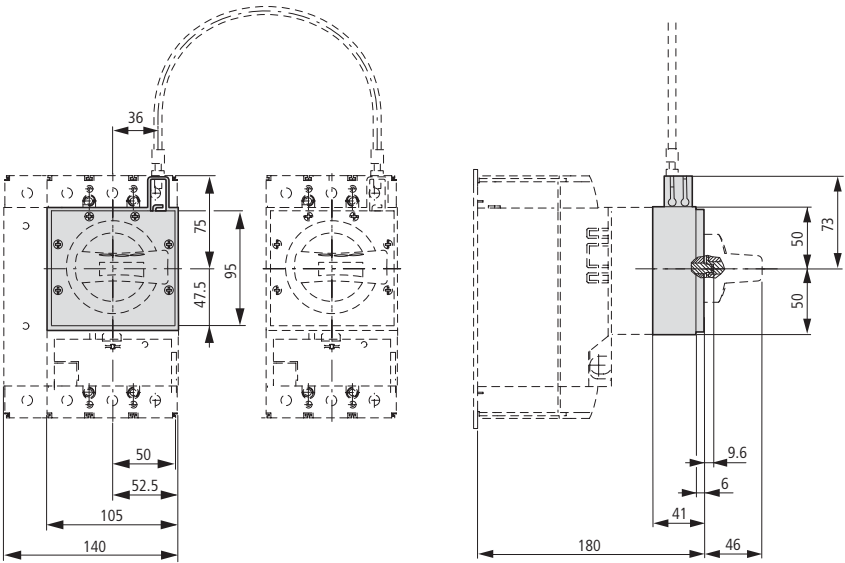


Drilling template

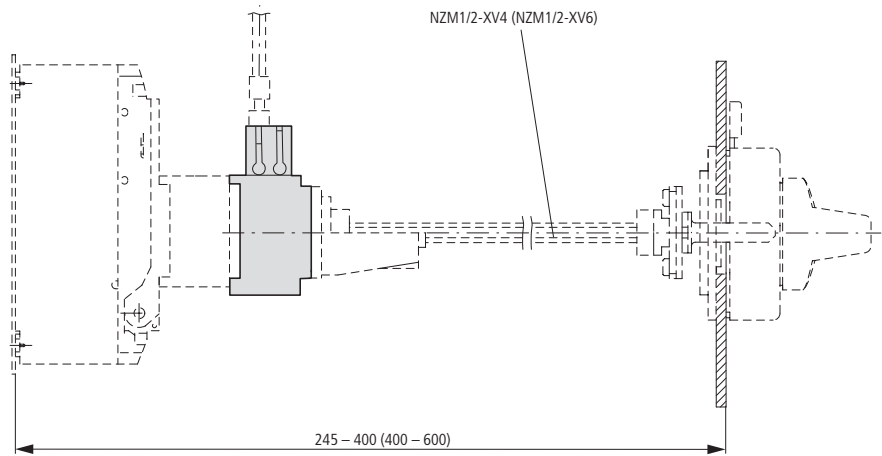


Mechanical interlock

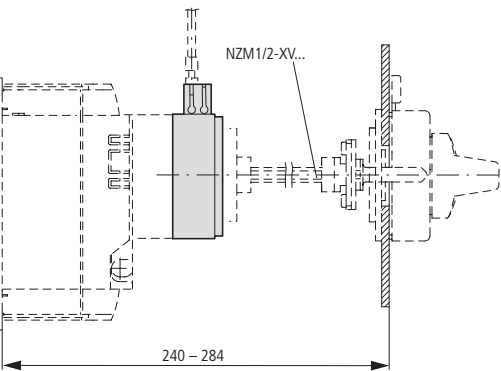
NZM2-XMV + NZM2-XD



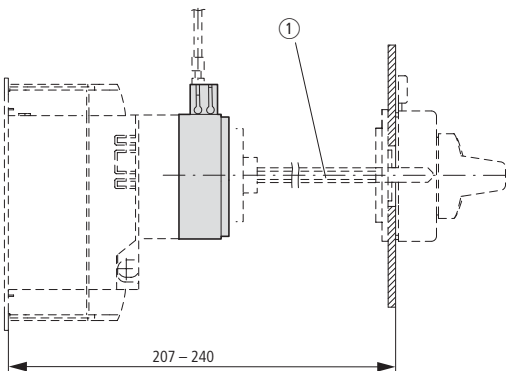
NZM2-XMV + NZM2-XTVD(V)(R)



NZM2-XMV + NZM2-XTVD(V)(R)-60



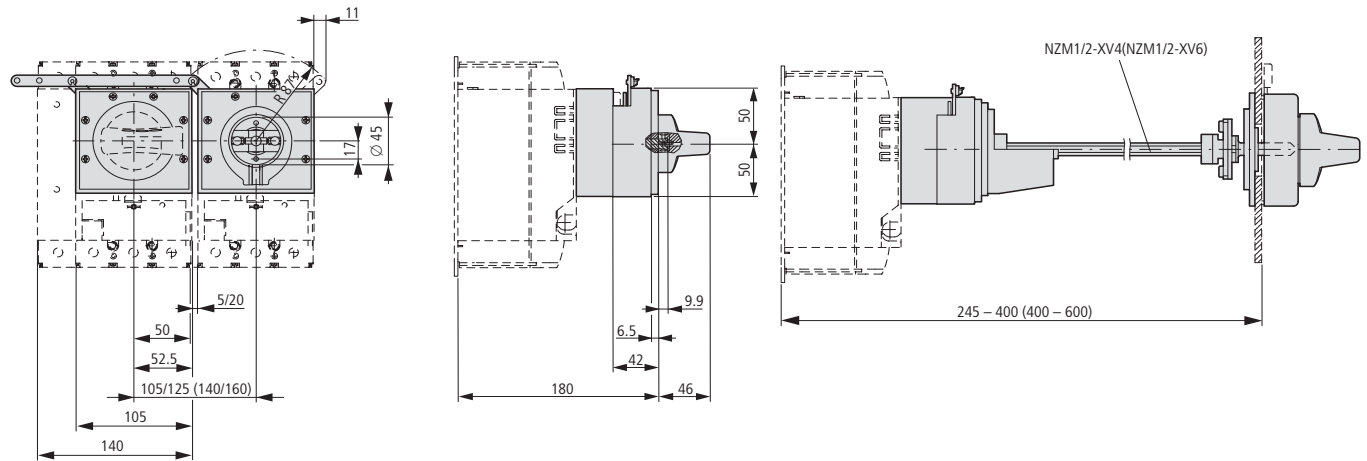
NZM2-XMV + NZM2-XT(V)D(V)(R)-0



① Special tip

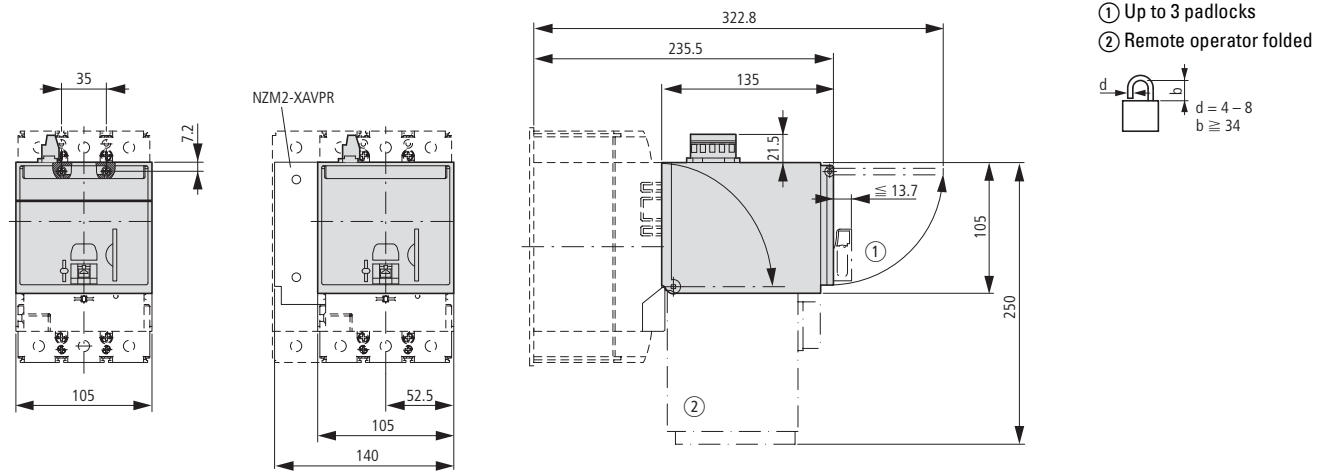
Paralleling mechanism

PN2-XPA

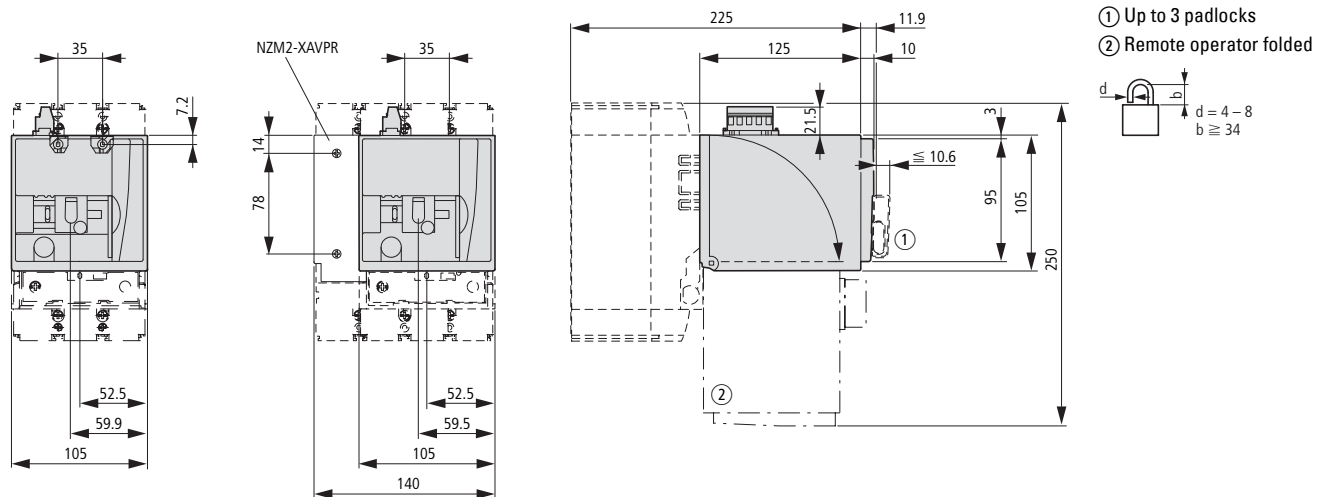


Remote operators

NZM2-XR...

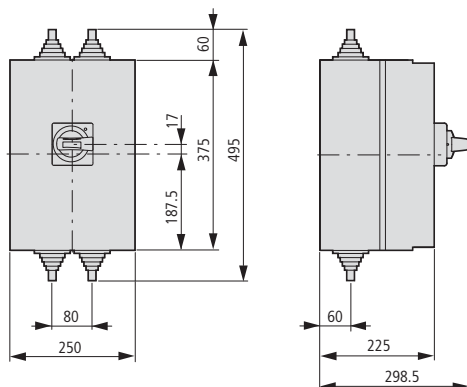


NZM2-XRD...

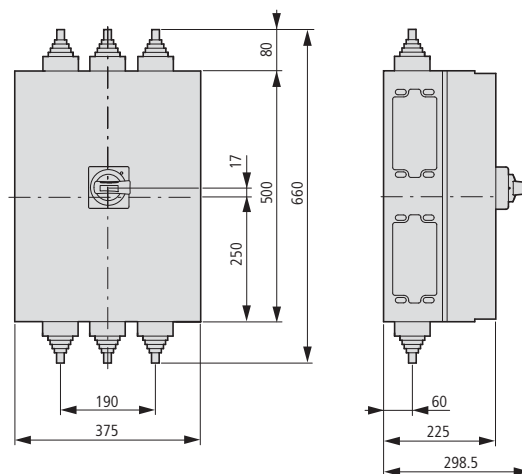


Insulated enclosures

NZM2-XCI43-T...

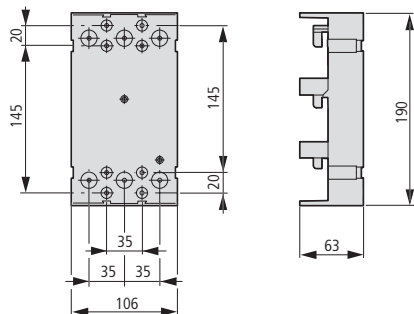


NZM2-XCI45-T...



Component adapter

NZM2-XAD250

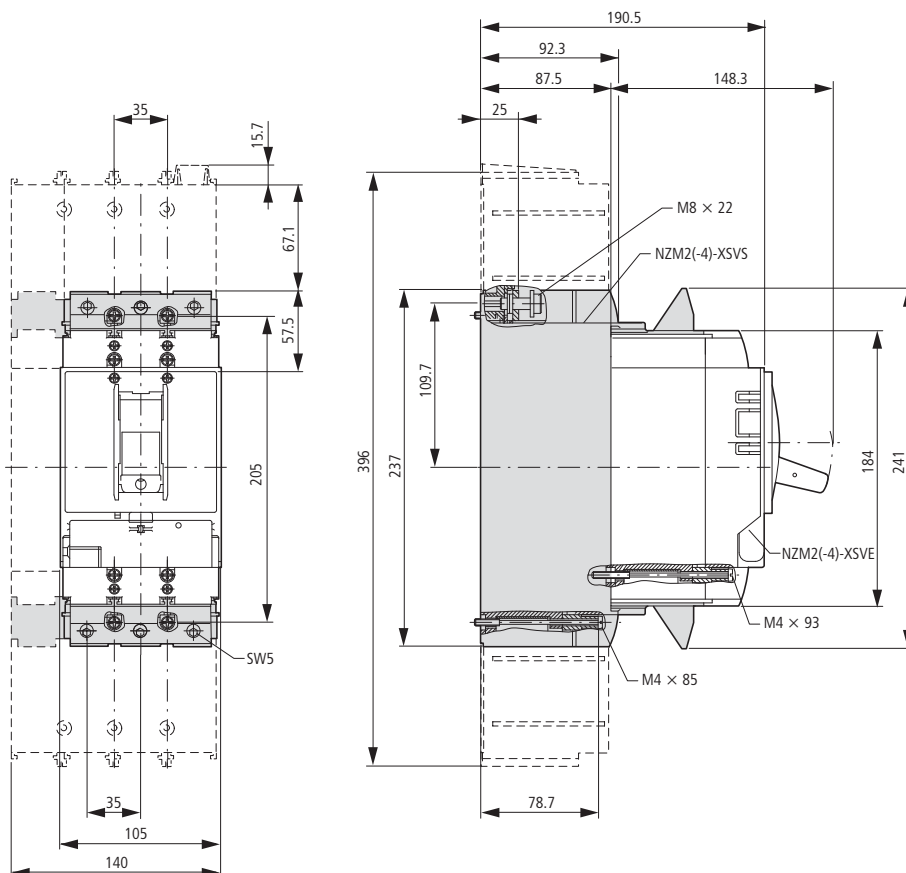


Plug-in units

NZM2-...-SVE

N2-...SVE

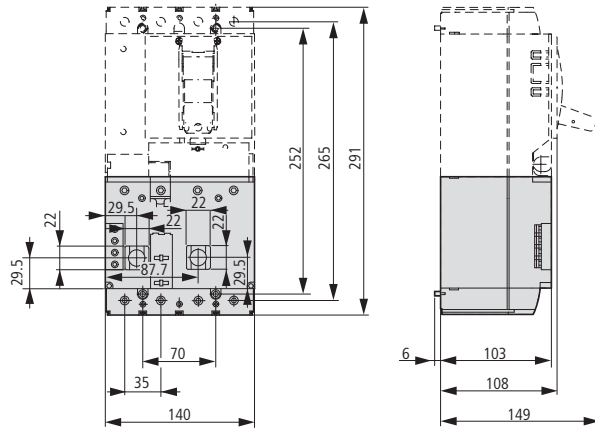
NZM2(-4)-XSVS



NZM2(-4)-XFI, NZM-XDMI..., UVU-NZM

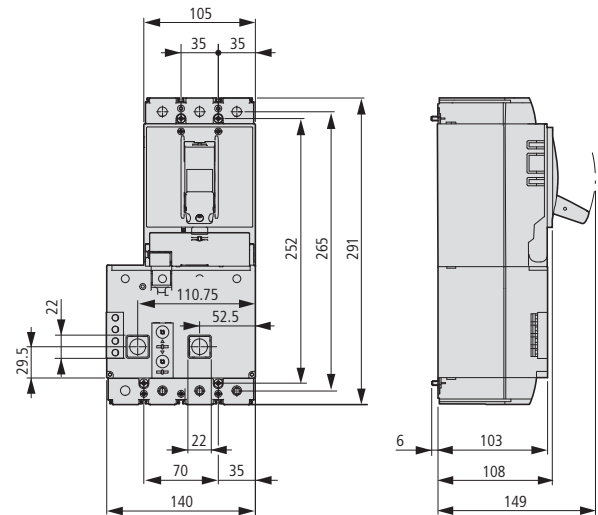
Earth-fault release

NZM2(-4)-XFI...



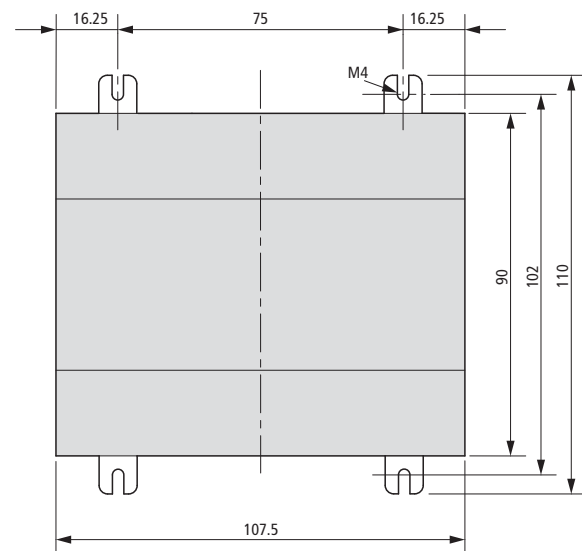
Earth-fault release

NZMH2...-XFIA30

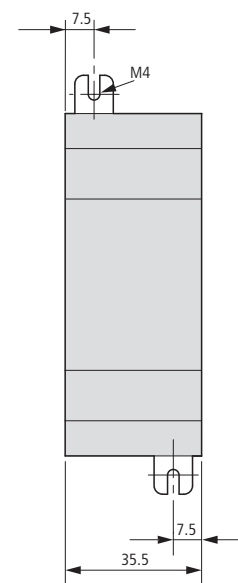


Data management interface (DMI module)

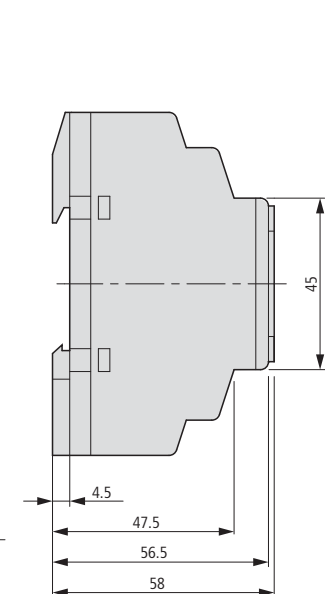
NZM-XDMI612



NZM-XDMI-DPV1
EASY2...



NZM-XDMI...
EASY2...

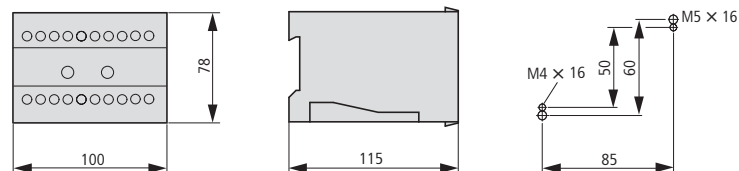


Undervoltage releases, off-delayed

UVU-NZM

Capacitor unit

NZM-XCM



Circuit-breakers

Switch-disconnectors

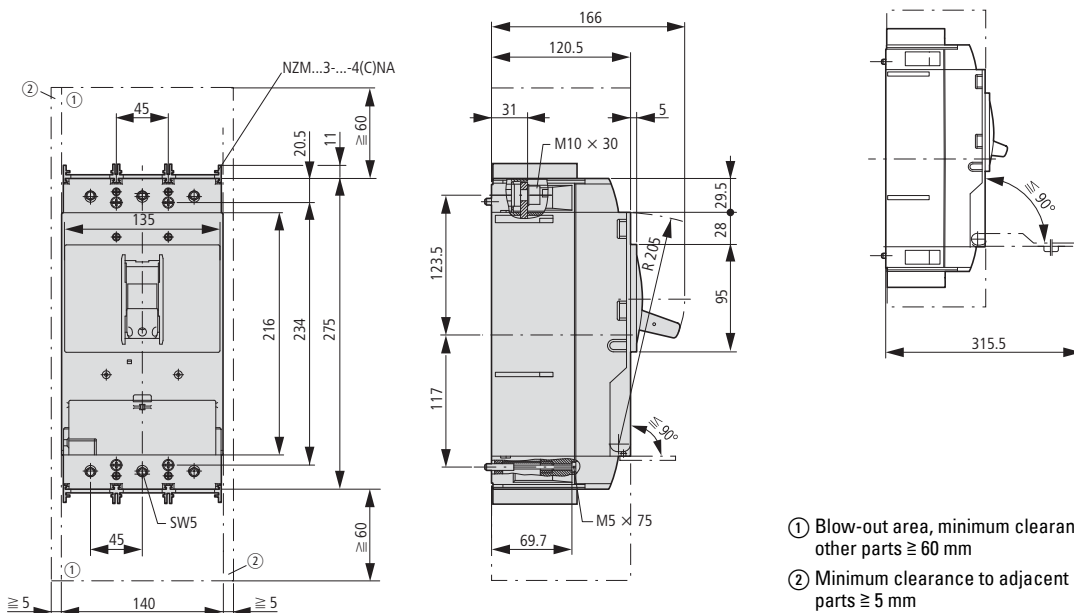
3 pole

NZMC3

PN3

N3

NS3



① Blow-out area, minimum clearance to other parts ≥ 60 mm

② Minimum clearance to adjacent parts ≥ 5 mm

Circuit-breakers

Switch-disconnectors

4 pole

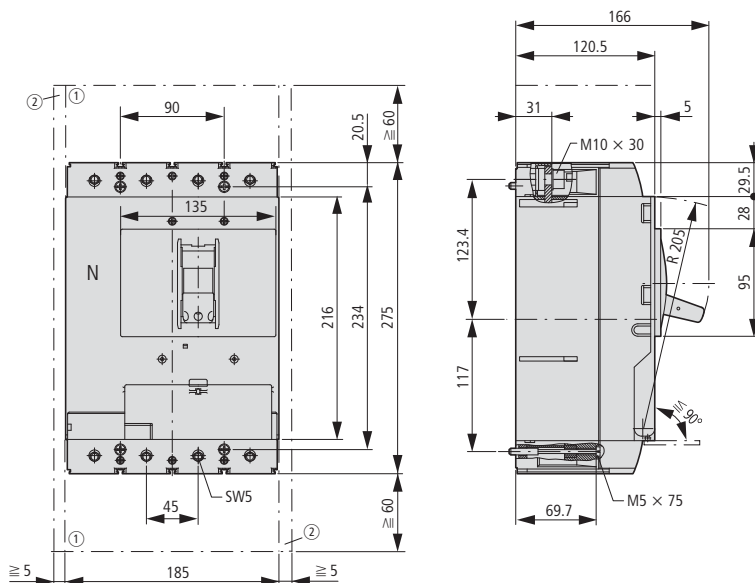
NZMC3-4

NZMN3-4

NZMH3-4

PN3-4

N3-4



① Blow-out area, minimum clearance to other parts ≥ 60 mm

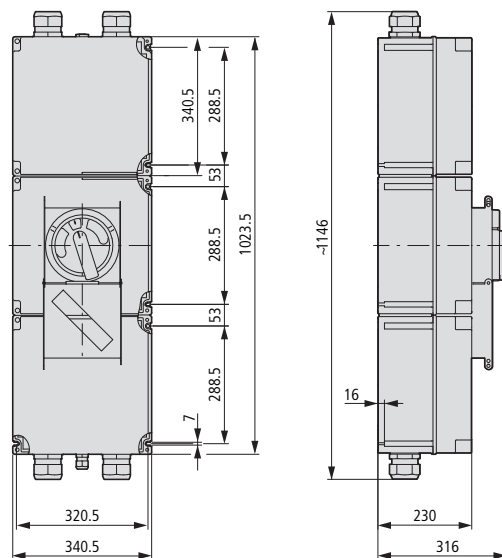
② Minimum clearance to adjacent parts ≥ 5 mm

Switch-disconnectors

ATEX22-type

3 pole

PN3.../ATEX22

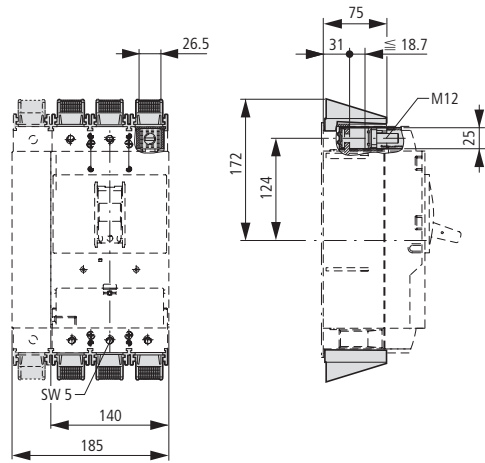


Box terminal

(+)NZM3(-4)-XKC(O)(U)

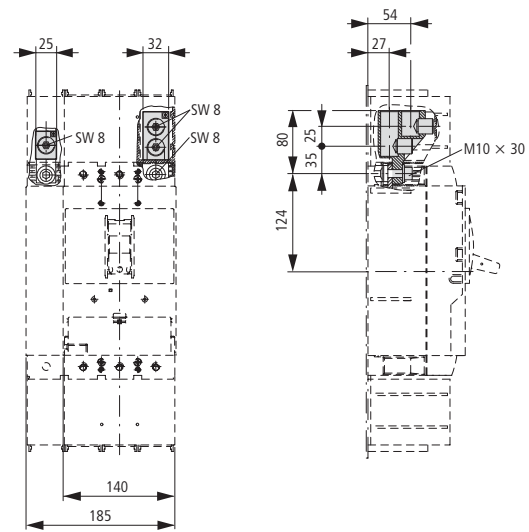
IP2X protection against contact with finger

NZM3(-4)-XIPK



Tunnel terminal

NZM3(-4)-XKA1(2)



Cover

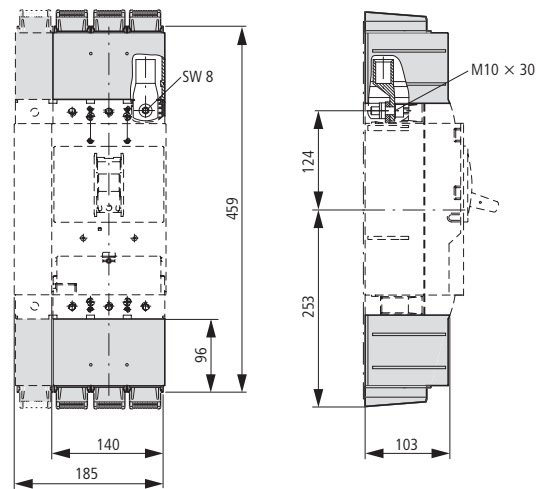
NZM3(-4)-XKSA

Cable lug

NZM3-XKS185

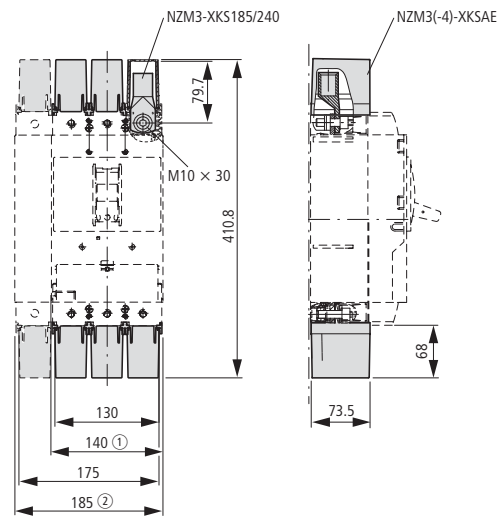
IP2X protection against contact with a finger

NZM3(-4)-XIPA



Cable lug cover

NZM3(-4)-XKSAE



① 3 pole
② 4 pole



Connection width extension

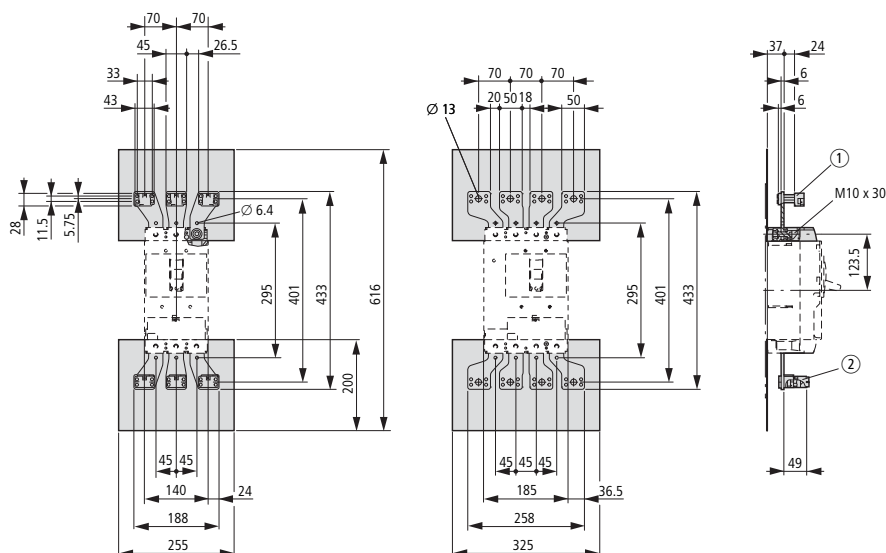
NZM3(-4)-XKV70

Terminals

NZM3(-4)-XK22X21

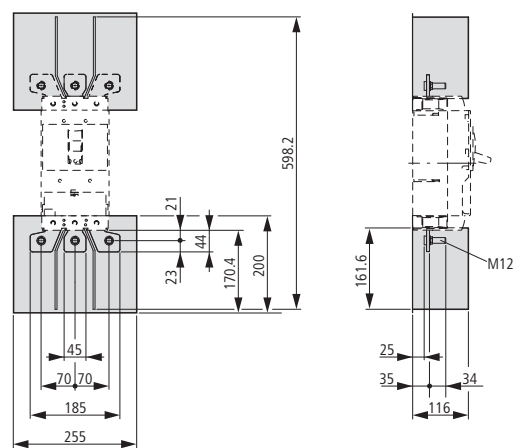
NZM3(-4)-XK300

Length with phase
isolators approx.
599 mm



Connection width extension

NZM3-XKV70KB

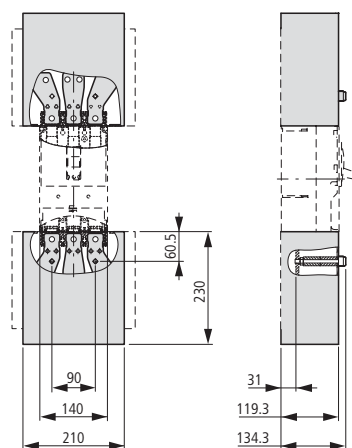


Connection width extension

NZM3-XKV70-2

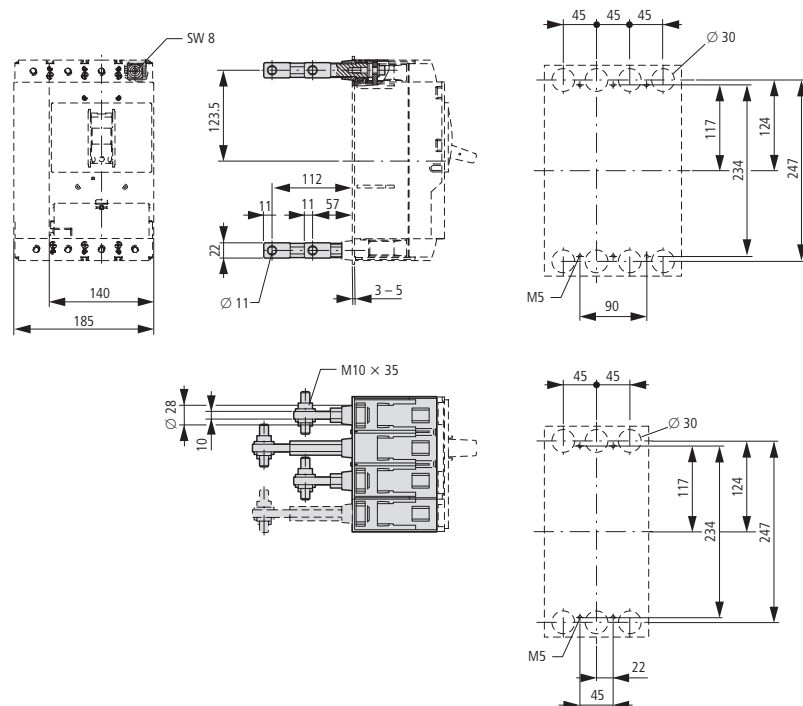
Cover, large

NZM3-XKSAV



Rear terminal bolts

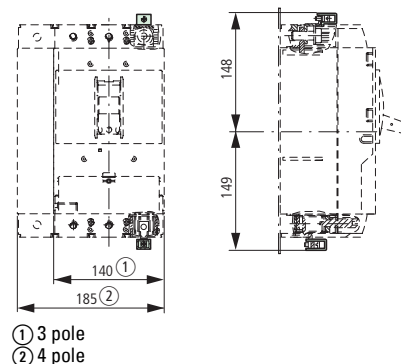
(+)NZM3(-4)-XKR(O)(U)



Control cable terminals

NZM3/4-XSTS

NZM-XSTK

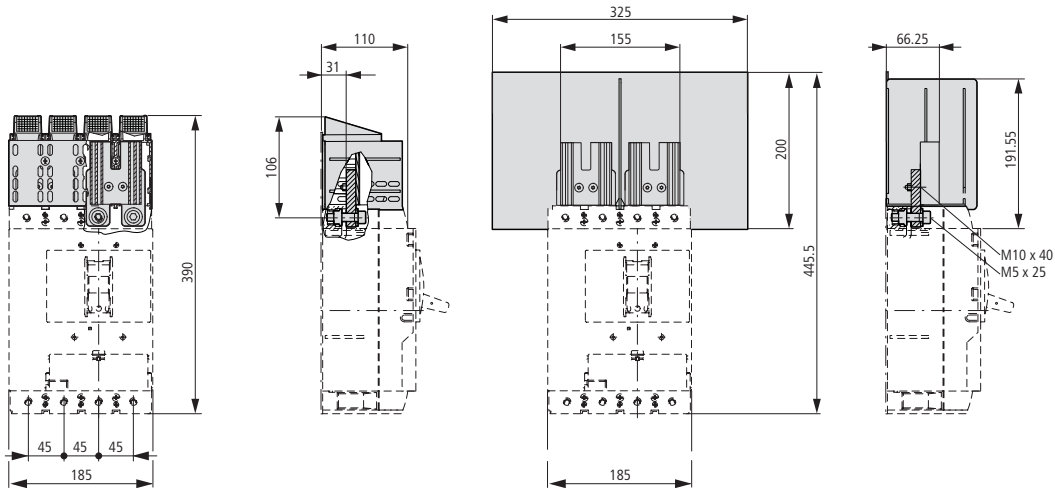


1 3 pole
2 4 pole

NZM3...-XKP, NZM3-XAB, NZM3-XBR, NZM3-XKV2P

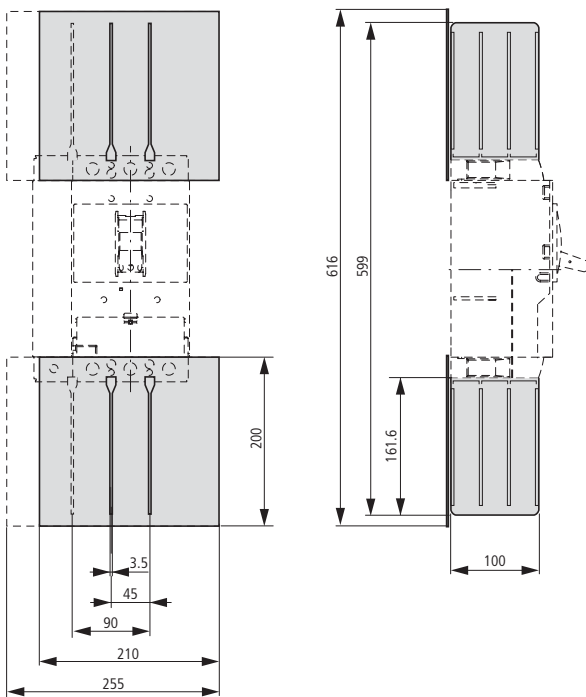
Jumper kit

NZM3(-4)-XKV2P...



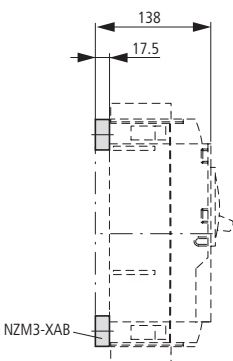
Phase isolators

NZM3-4-XKP



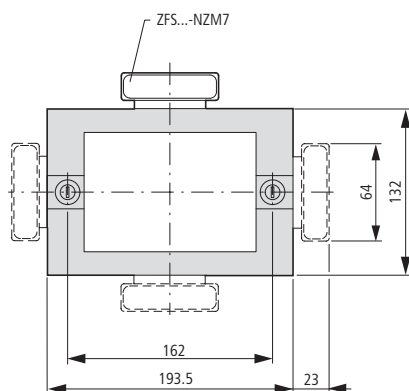
Spacers

NZM3-XAB

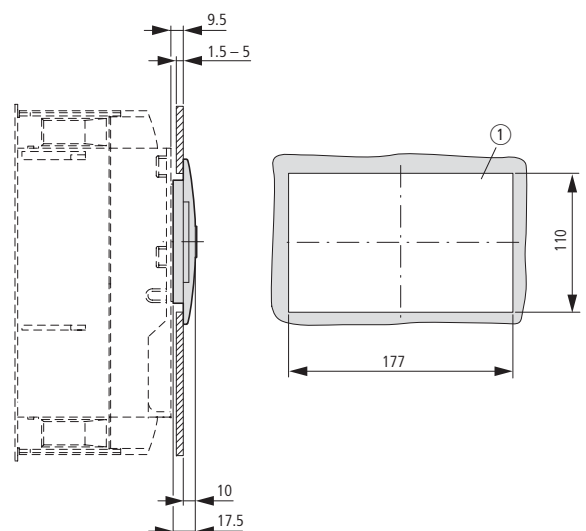


Insulating surround

NZM3-XBR

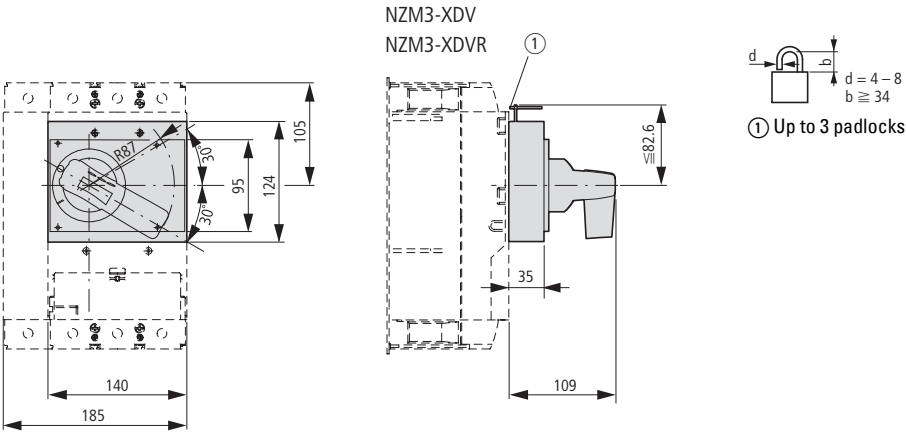


① Mounting aperture



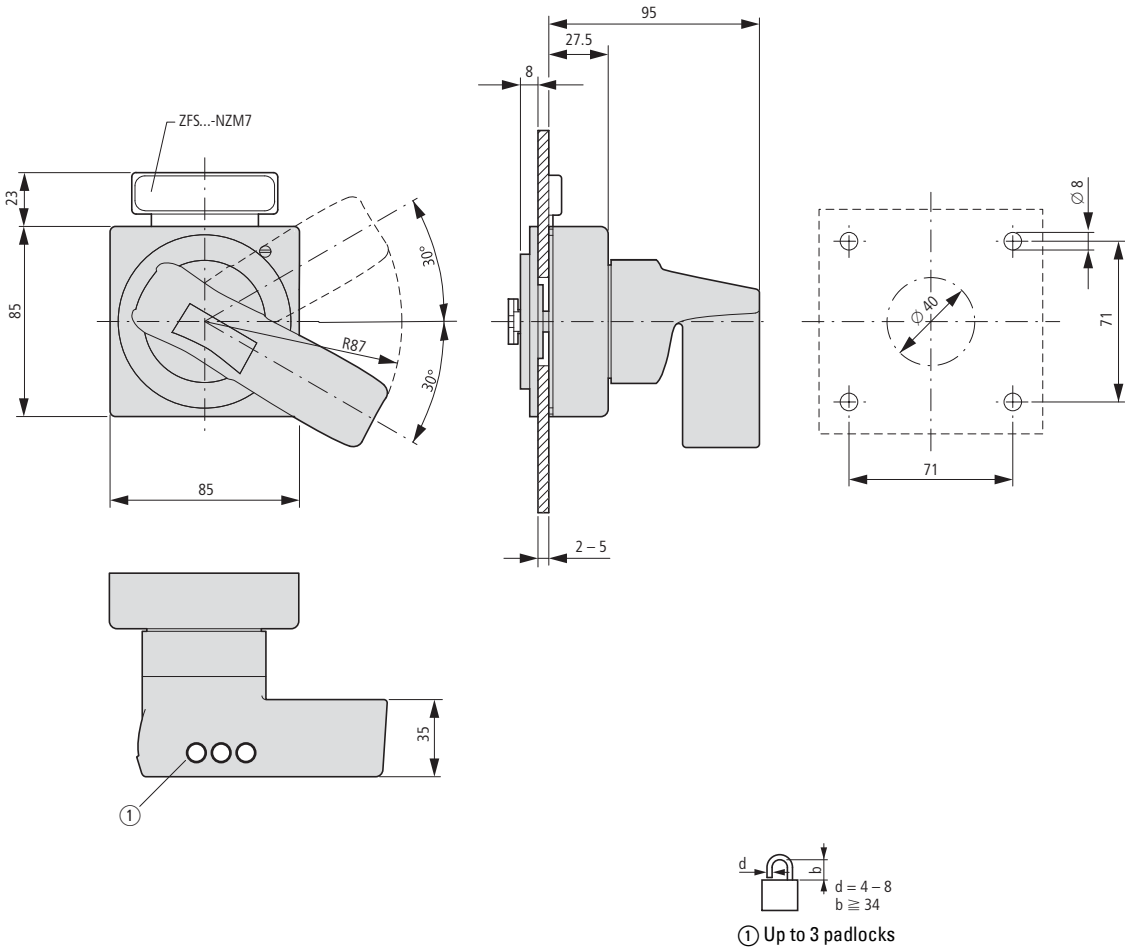
Rotary drive

Rotary handle on circuit-breaker



Door coupling rotary handles

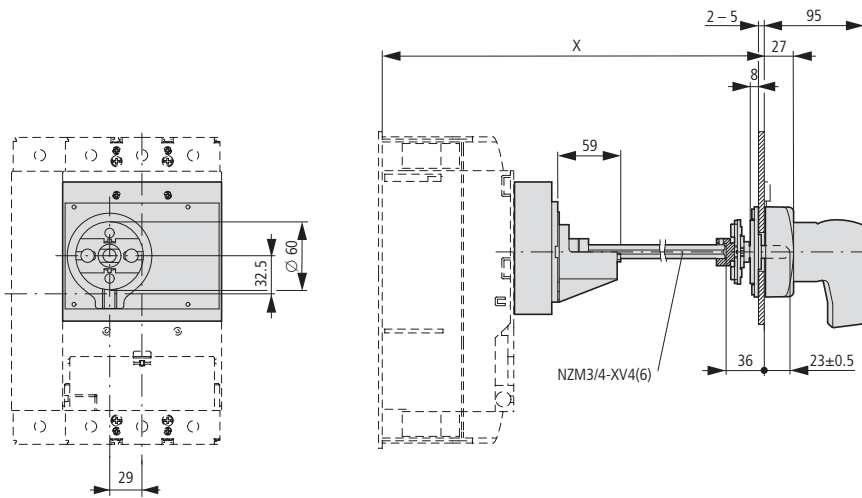
NZM3-XTVD(V)(R)...



Door coupling rotary handle with extension shaft

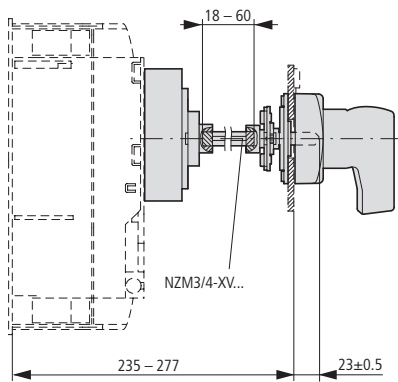
NZM3-XTVDV(R)(-NA)

NZM3/4-XV4(6)

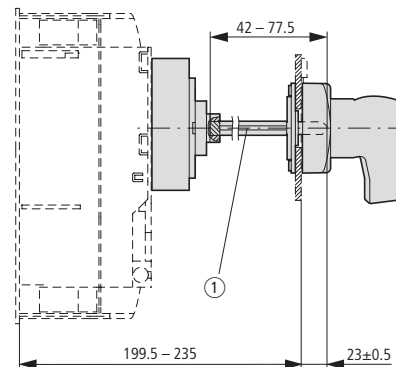


Part no.	x
NZM3/4-XV4	270 – 400
NZM3/4-XV6	400 – 600

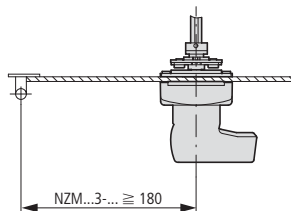
NZM3-XTVDV(R)-60(-NA)



NZM3-XTVDV(R)-0(-NA)



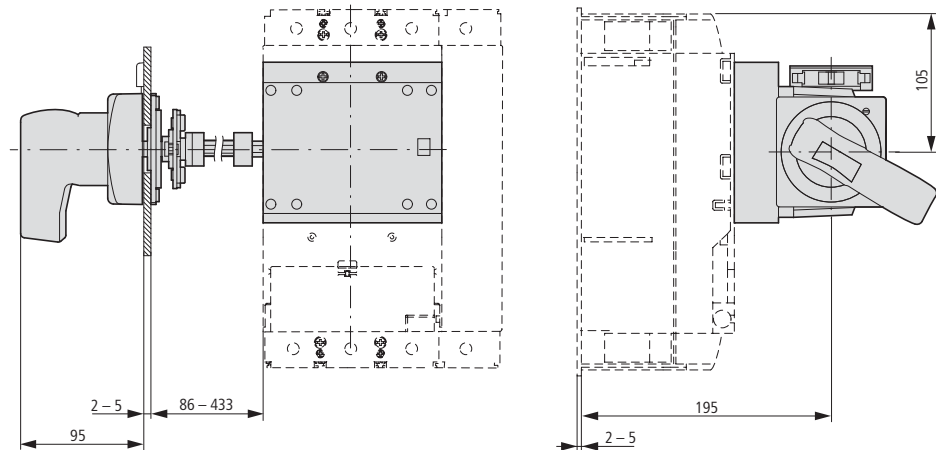
① Special tip

Minimum distance of door coupling rotary handle from door pivot point

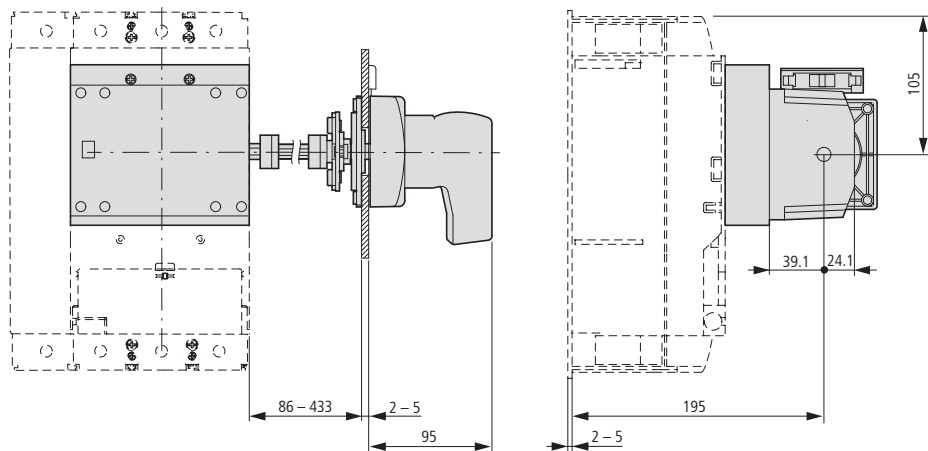
NZM3-XS..., NZM3

Main switch assembly kit for side wall installation

NZM3-XS(R)-L

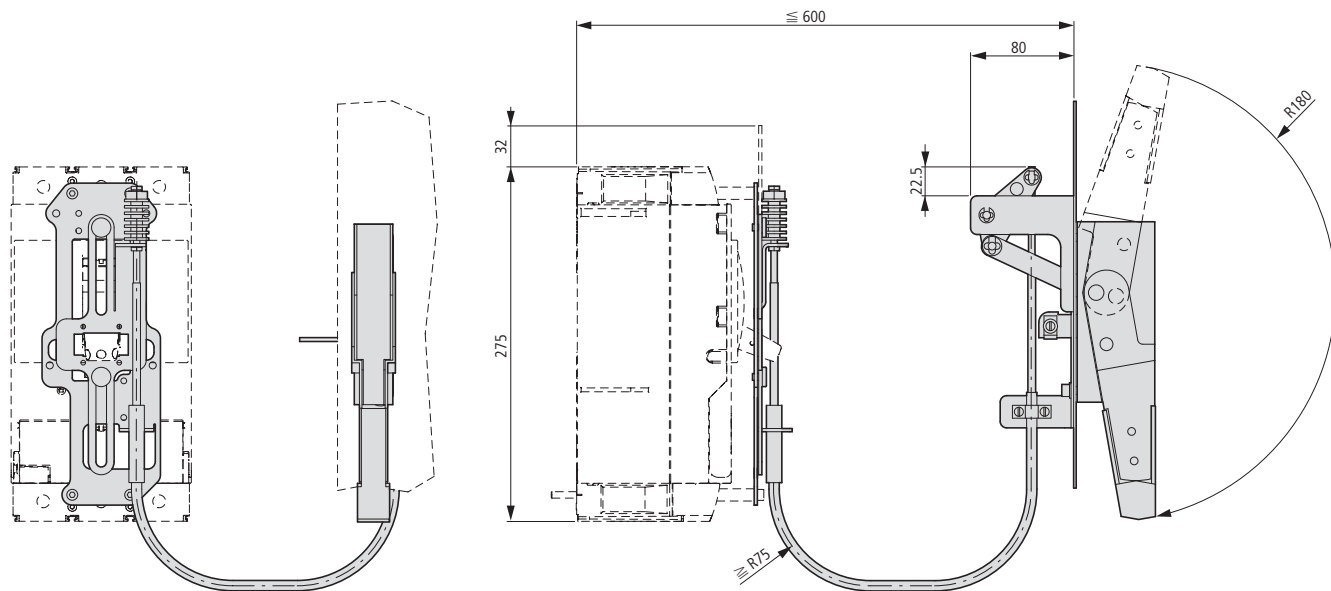


NZM3-XS(R)-R



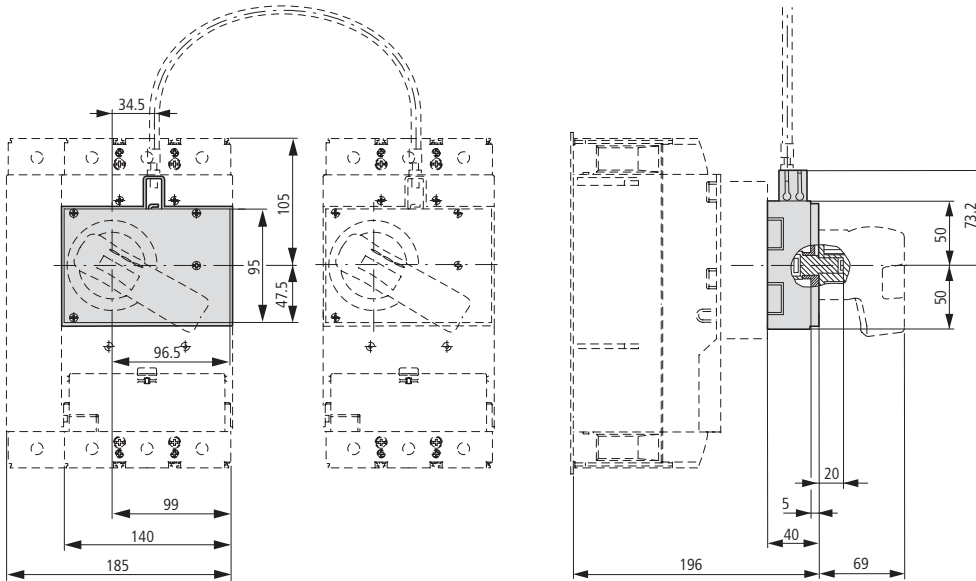
Side-mounted handle

NZM3... XSH...

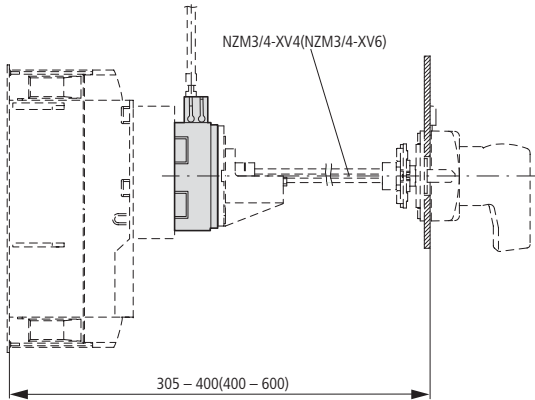


Mechanical interlock

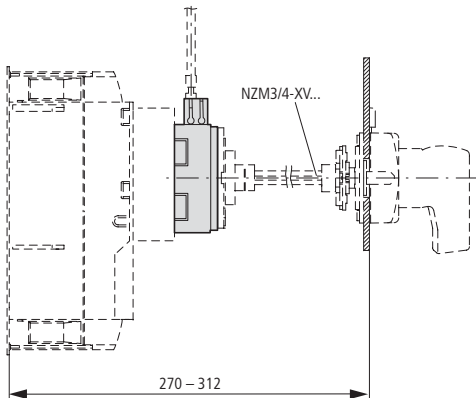
NZM3-XMV + NZM3-XDV(R)



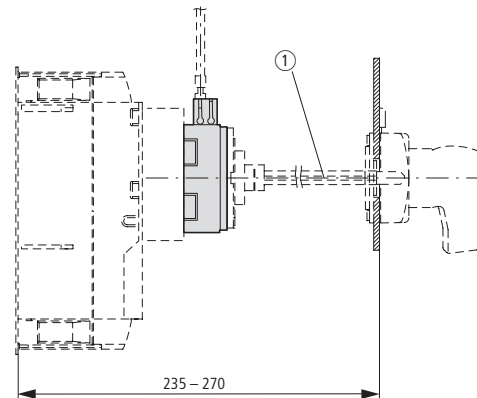
NZM3-XMV + NZM3-XTVD(V)(R)



NZM3-XMV + NZM3-XTVD(V)(R)-60



NZM3-XMV + NZM3-XTVD(V)(R)-0

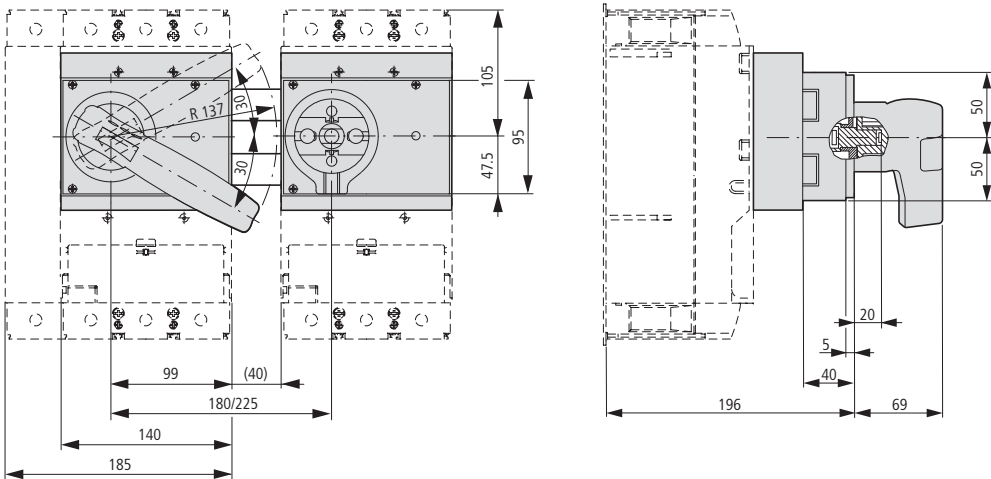


① Special tip

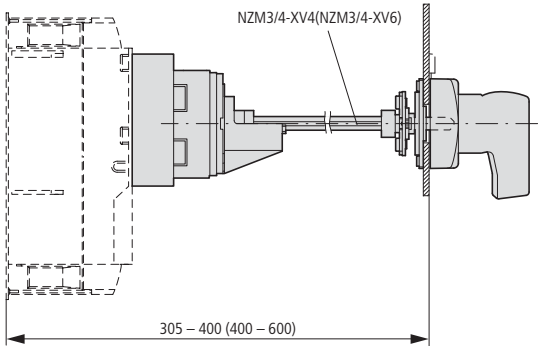


Paralleling mechanism

PN3-XPA

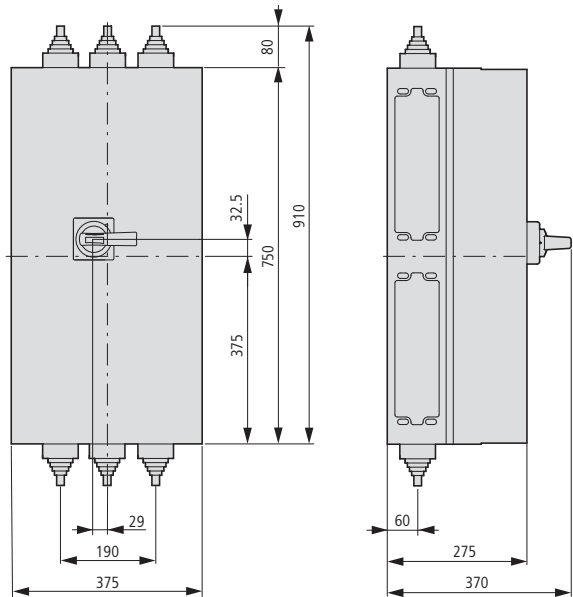


PN3-XPA



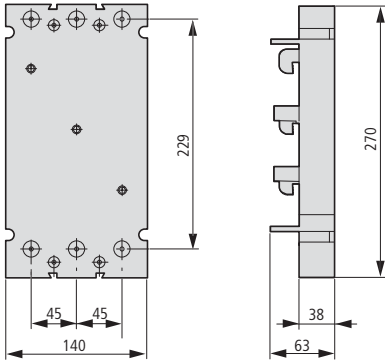
Insulated enclosures

NZM3-XCI48-TD



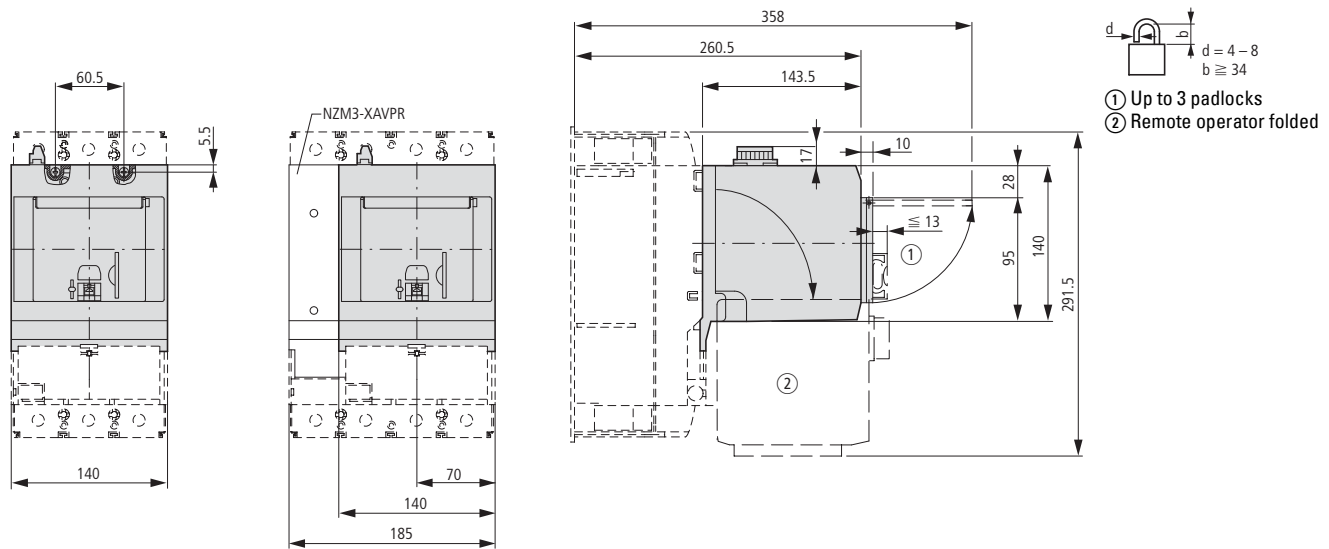
Component adapter

NZM3-XAD550



Remote operators

NZM3-XR...

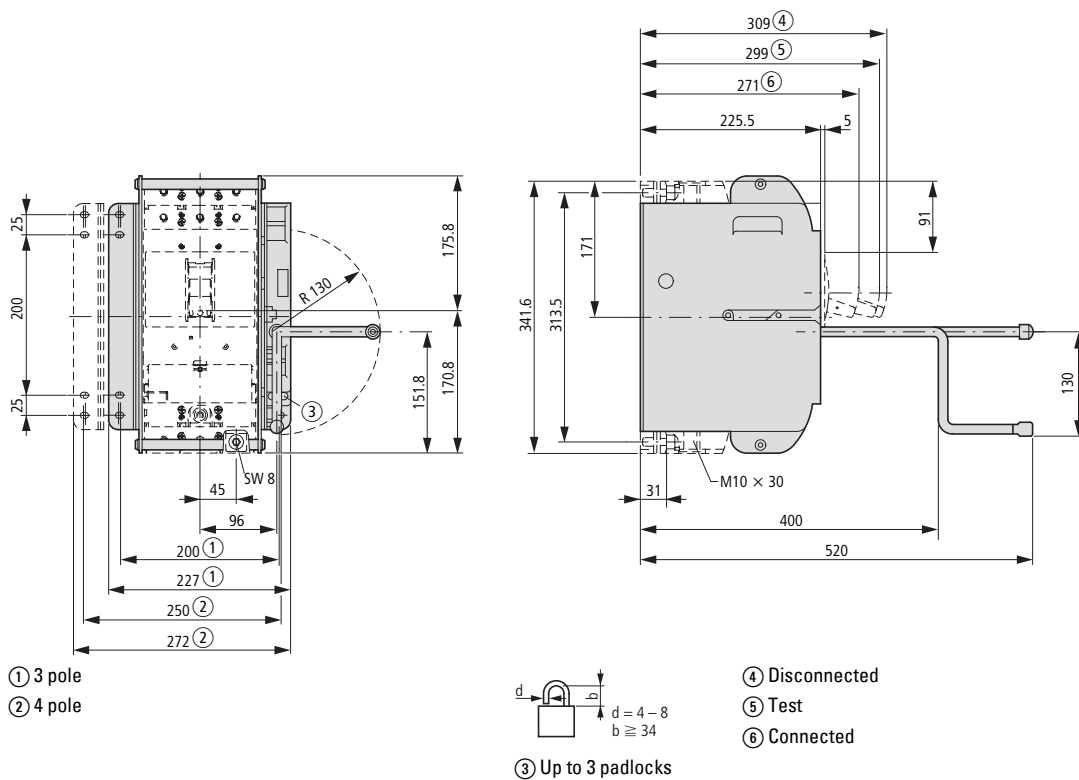


Withdrawable unit with auxiliary plug-in adapter

NZM3-...-SVE

N3...-SVE

NZM3-XSVS



Circuit-breakers

Switch-disconnectors

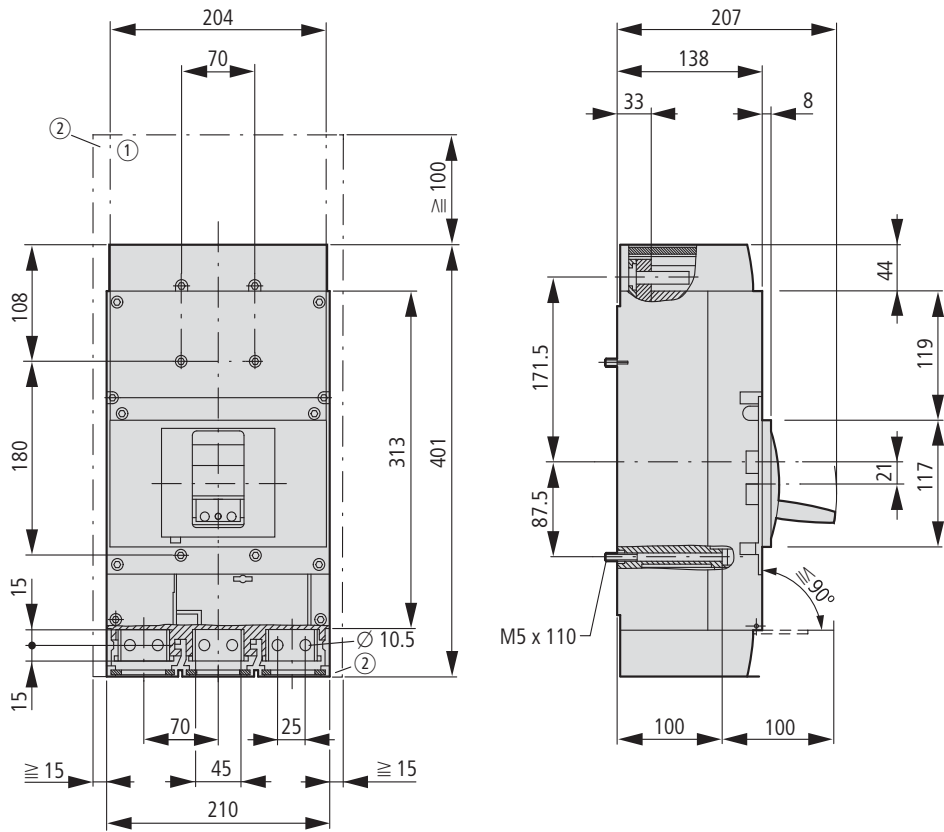
3 pole

NZMN4

NZMH4

N4

NS4



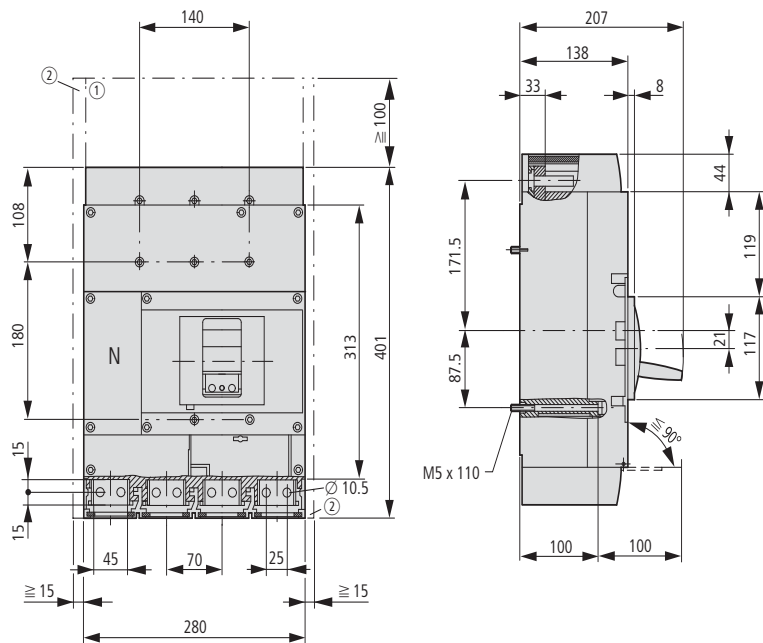
- ① Blow-out area, minimum clearance to other parts ≥ 100 mm up to 690 V; ≥ 200 mm up to 1000 V
② Minimum clearance to adjacent parts ≥ 15 mm

4 pole

NZMN4-4

NZMH4-4

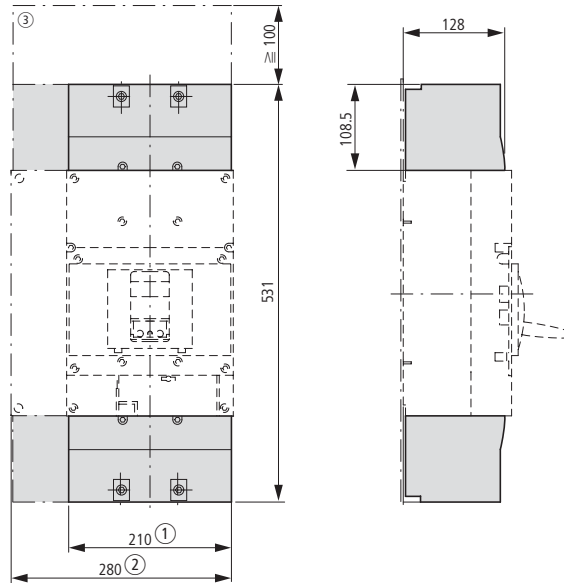
N4-4



- ① Blow-out area, minimum clearance to other parts ≥ 100 mm
② Minimum clearance to adjacent parts ≥ 15 mm

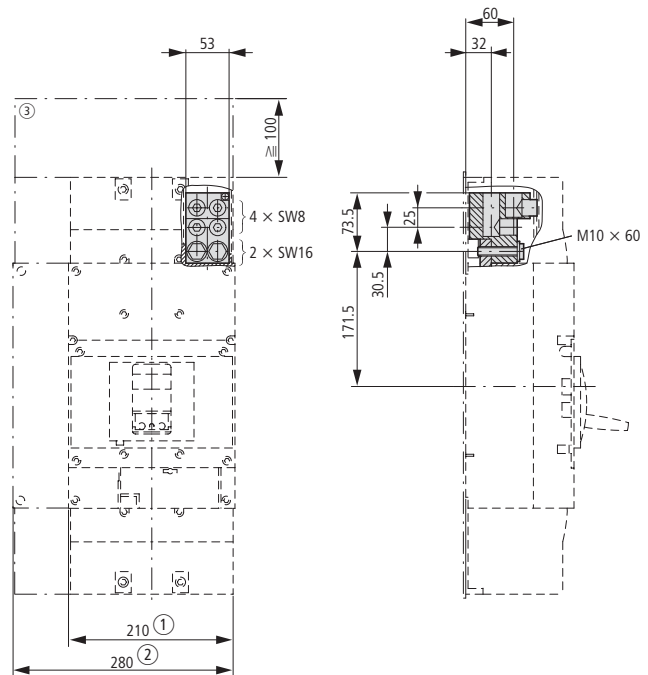
Covers

NZM4(-4)-XKSA



Tunnel terminal

NZM4-4-XKA



- ① 3 pole
- ② 4 pole
- ③ Clearance from conductive parts ≥ 100 mm up to 690 V; ≥ 200 mm up to 1000 V

Screw terminals

Module plate

1-hole

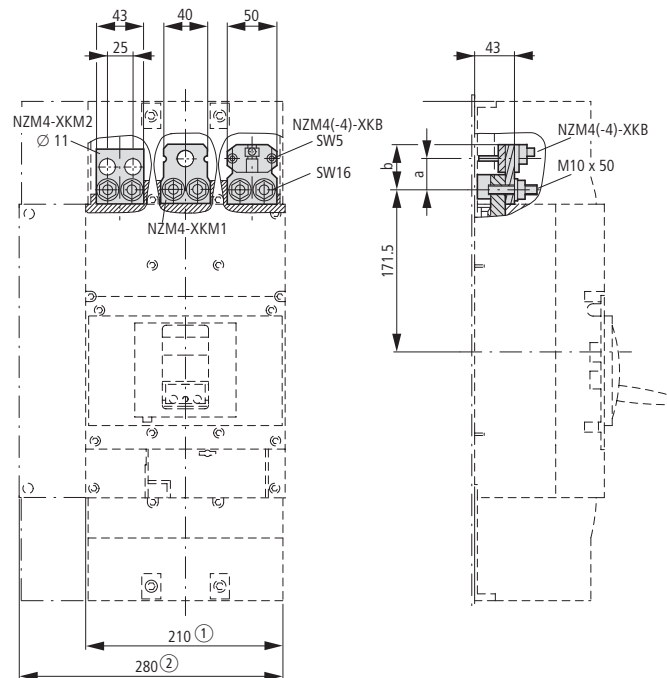
NZM4(-4)-XKM1

2-hole

NZM4(-4)-XKM2

Flat cable terminal

NZM4(-4)-XKB



Part no.	a	b
NZM4(-4)-XKM1	36	47
NZM4(-4)-XKM2	32	40
NZM4(-4)-XKB	—	47

- ① 3 pole
- ② 4 pole
- ③ Clearance from conductive parts
 - ≥ 100 mm up to 690 V;
 - ≥ 200 mm up to 1000 V

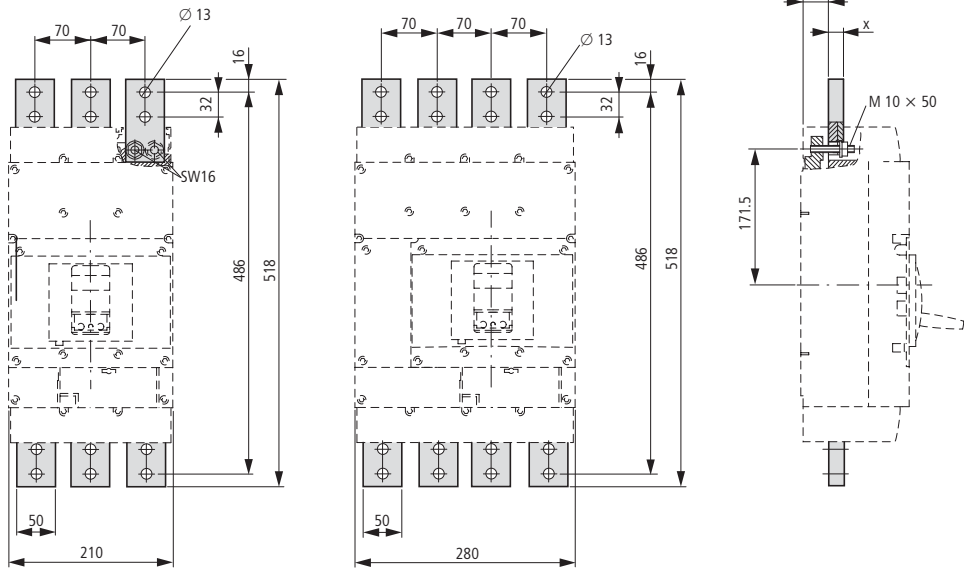


NZM4...-XKM, XKV

Module plate

2 hole, vertical

NZM4(-4)-XKM2S...



Part no.	x
NZM4(-4)-XKM2S-1250	12
NZM4(-4)-XKM2S-1600	20

Connection width extension

NZM4-XKV95

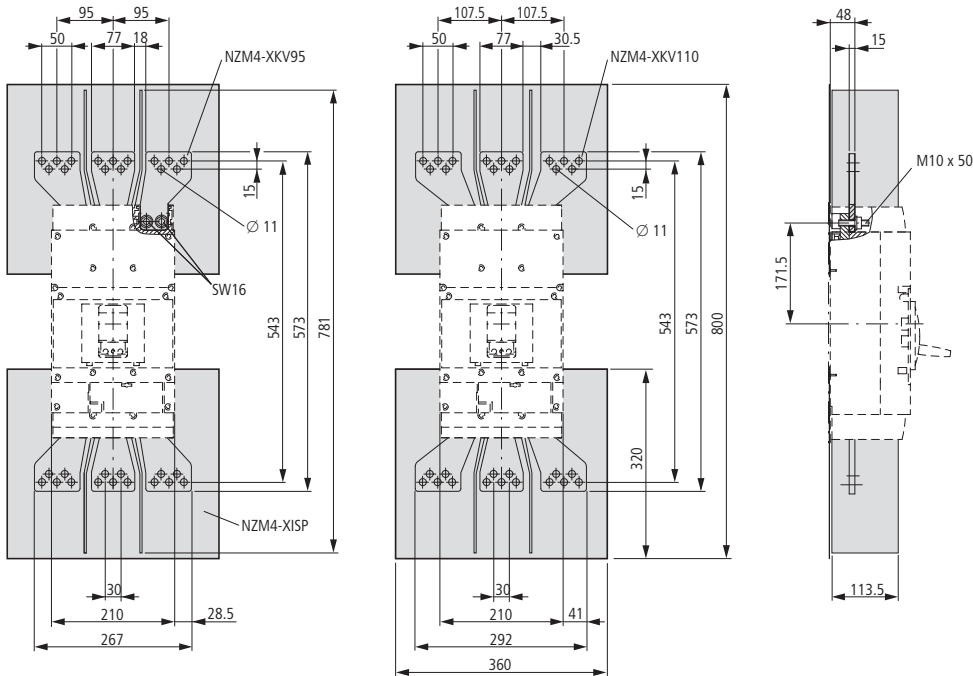
NZM4-XKV110

Insulation plate

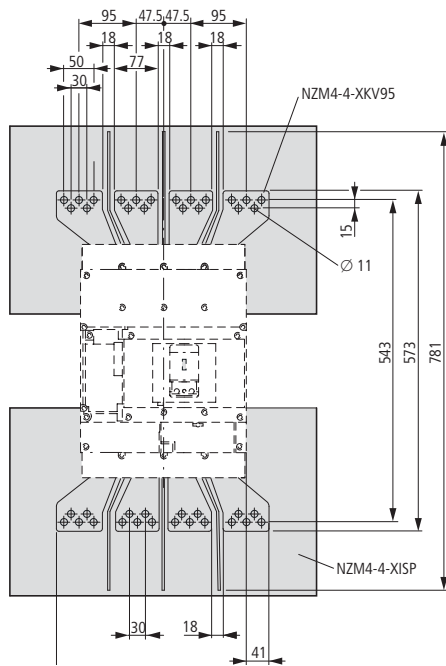
NZM4-XISP

Phase isolators

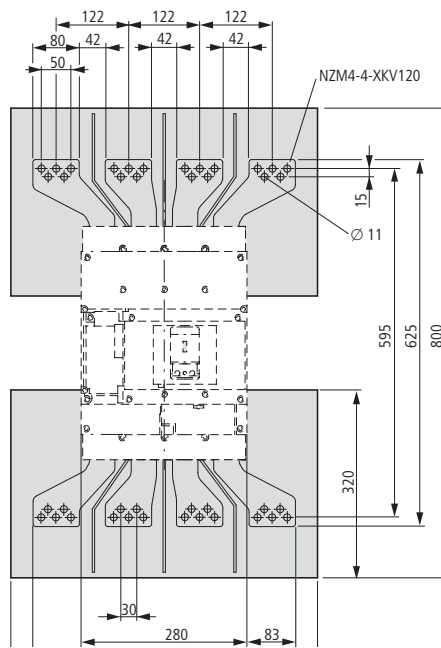
NZM4-XKP



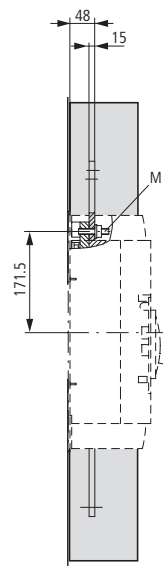
NZM4-4-XKV95



NZM4-4-XKV120

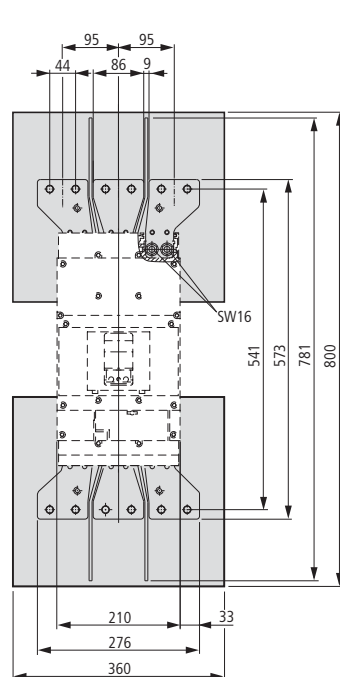


NZM4-4-XISP
NZM4-4-XKP



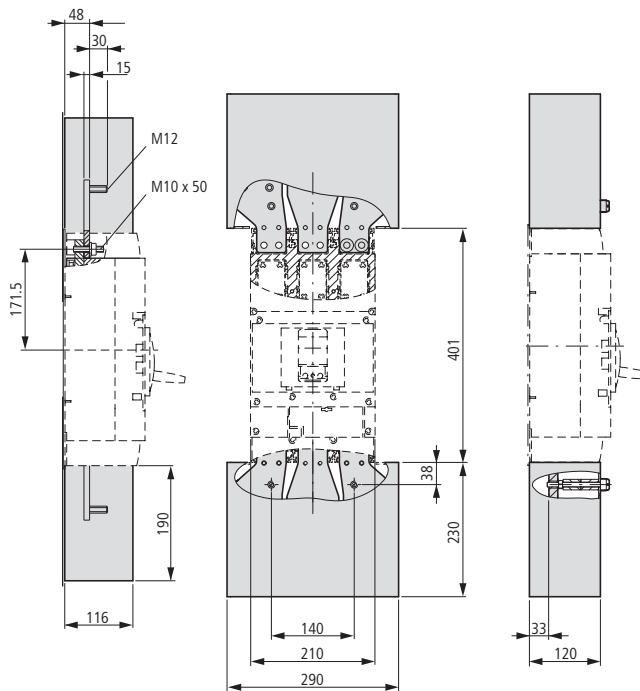
Connection width extension

NZM4-XKV95-2KB



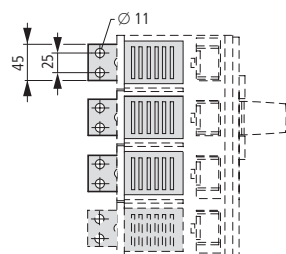
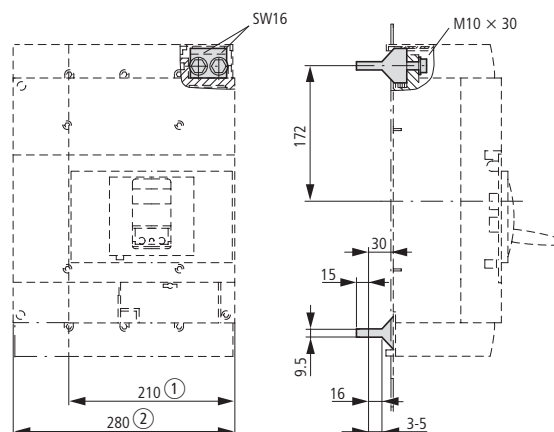
Cover, large

NZM4-XKSAV

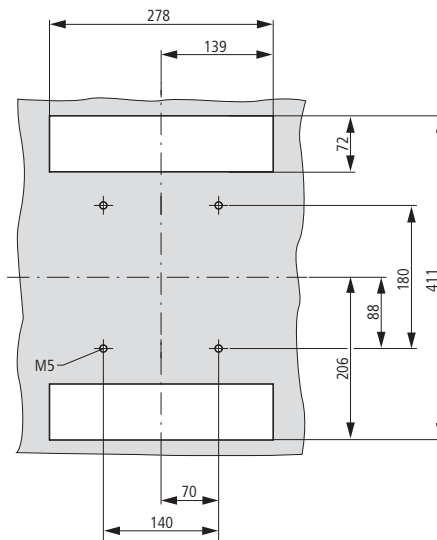


Rear terminal bolts

NZM4(-4)-XKR

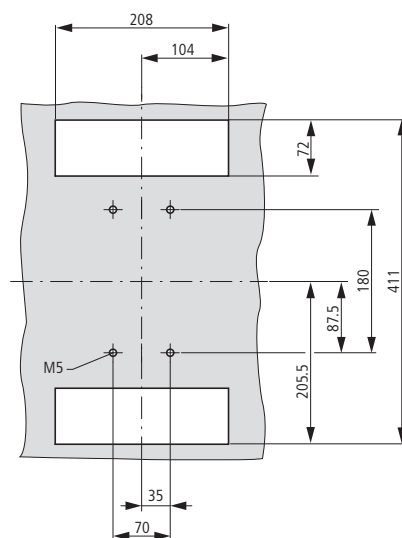


Fitting on mounting plate



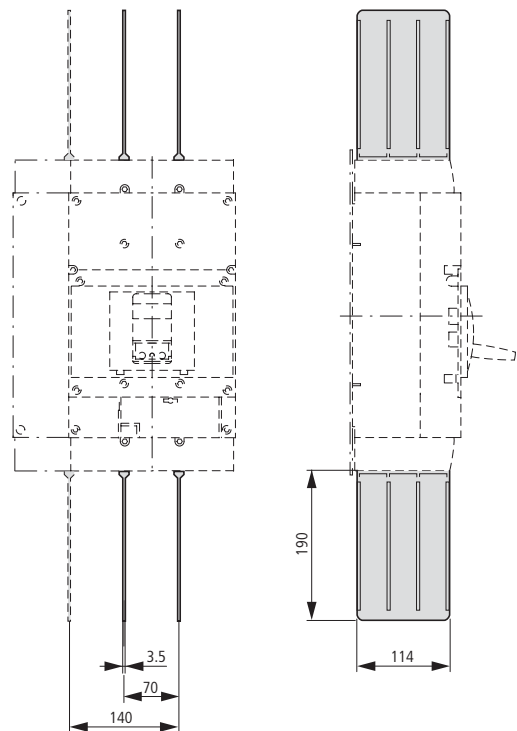
Rear connection possible also rotated by 90°.

- ① 3 pole
- ② 4 pole



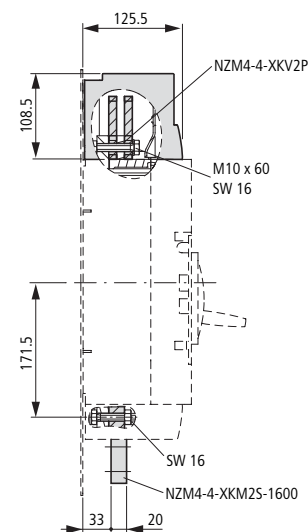
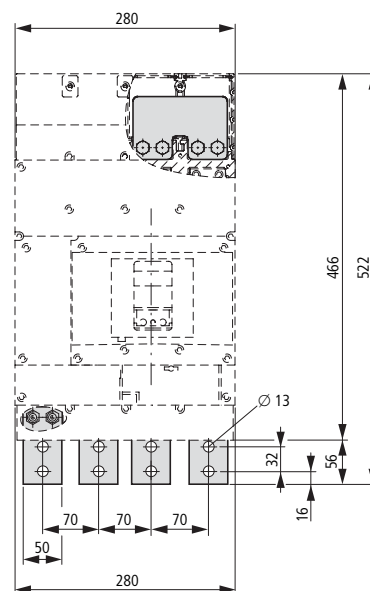
Phase isolators

NZM4(-4)-XKP



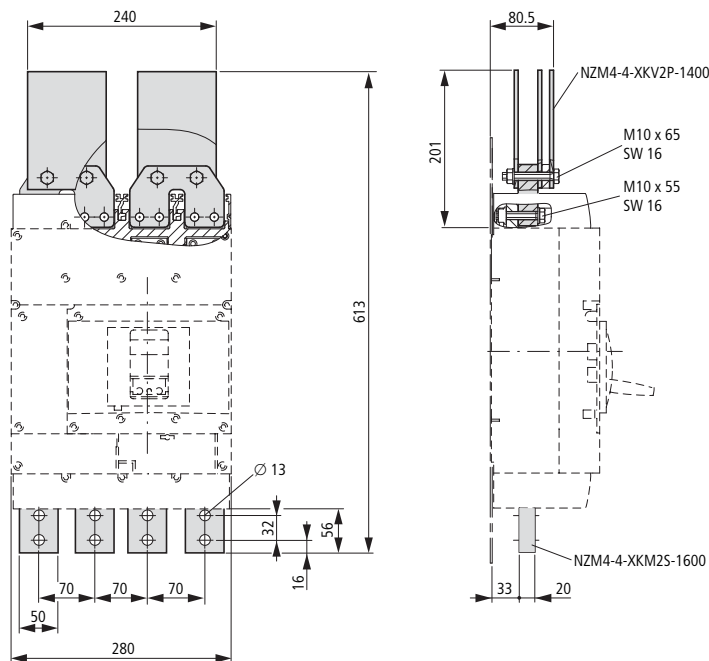
Jumper kit

NZM4-4-XKV2P



Jumper kit

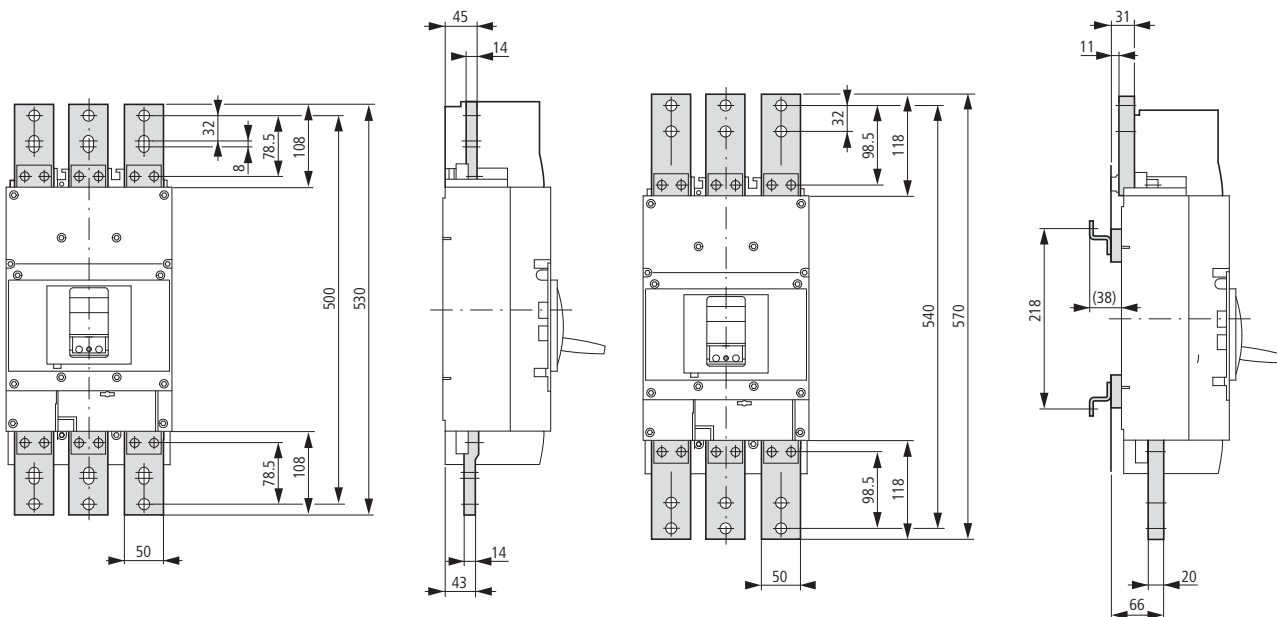
NZM4-4-XKV2P-1400



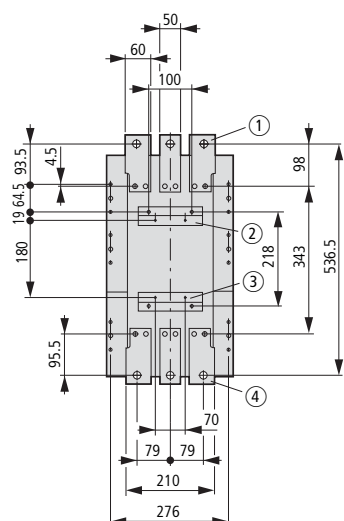
Adapter kit

NZM4-XAS14-1250

NZM4-XAS14-1600



Drilling template NZM12-1000 (1250) conversion to NZM4



- ① Module plate NZM4-XAS12-1000(1250)
- ② Holes for mounting bracket NZM4-XAS12(M5)
- ③ Mounting bracket NZM4-XAS12
- ④ Mounting rail NZM12



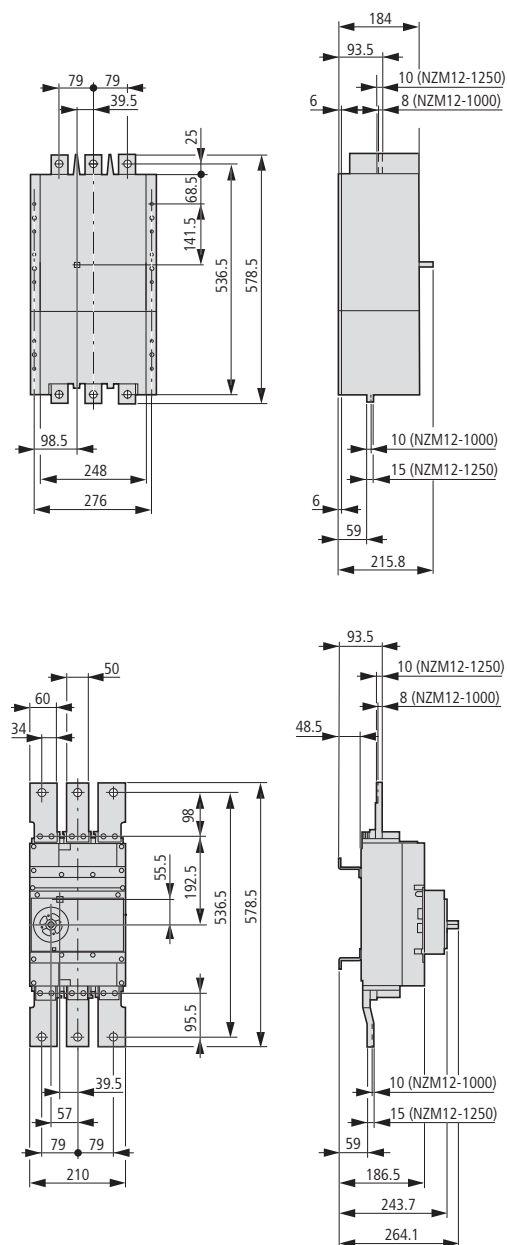
17/226 Dimensions

Construction size 4: NZM12 replacement

NZM12, NZM4-XAS...

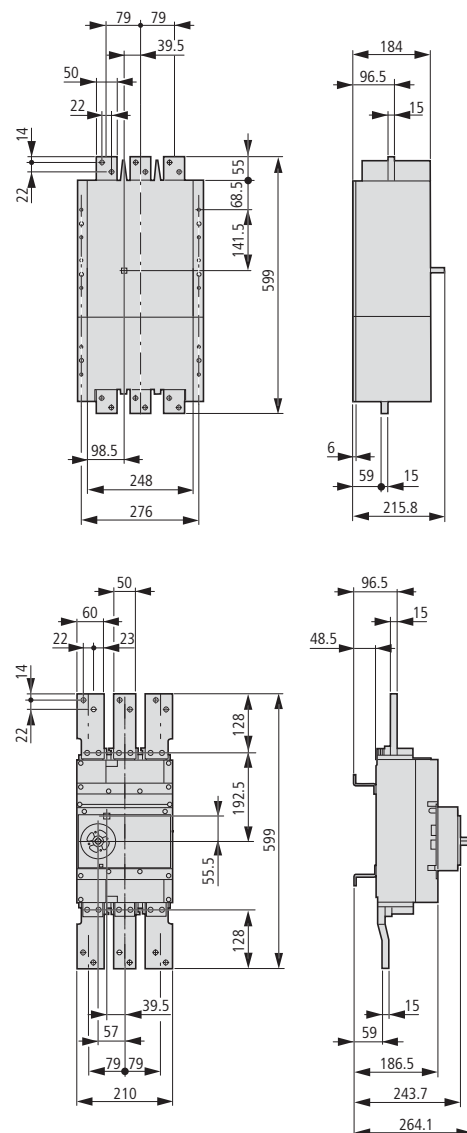
Replacement of NZM12-1000(1250) with NZM4 with module plate,
fixed mounting on mounting plate

NZM4-XAS12-1000(1250)



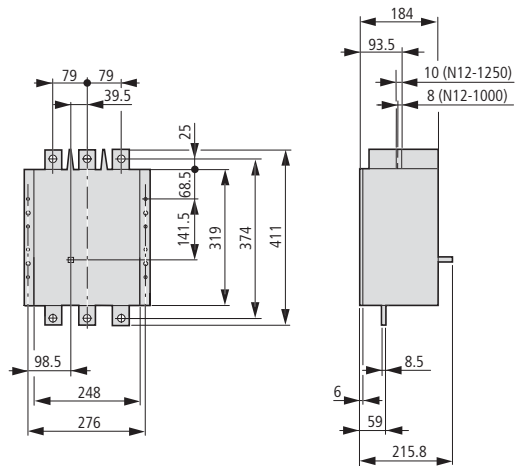
Replacement of NZM12-1600 with NZM4 with module plate,
fixed mounting on mounting plate

NZM4-XAS12-1600



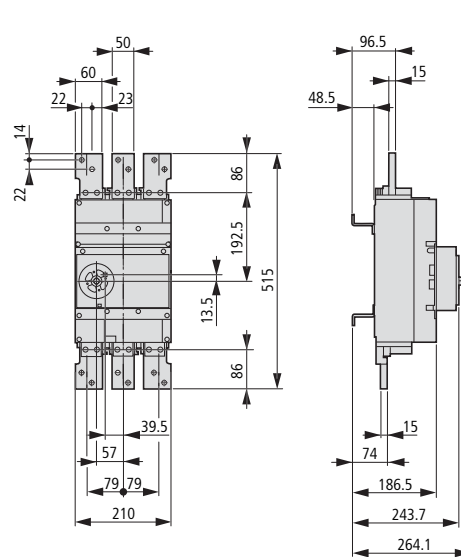
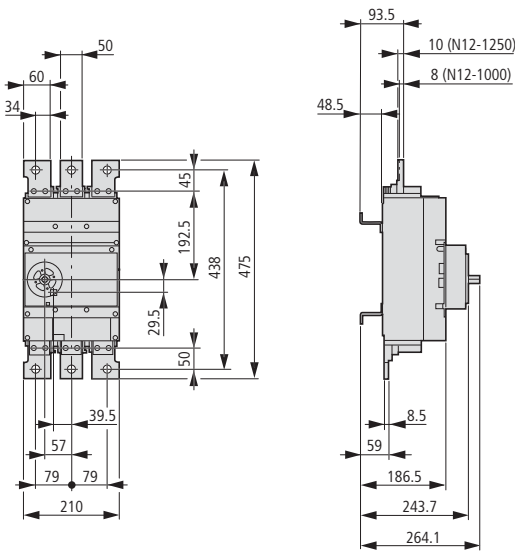
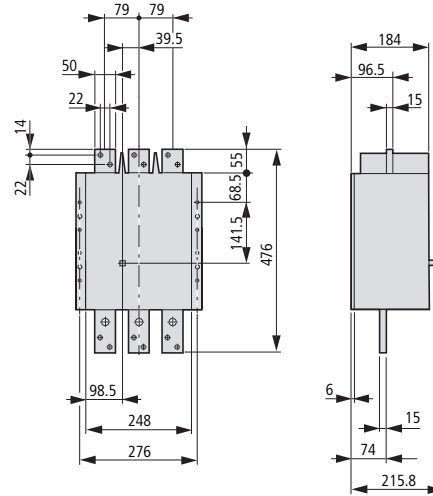
Replacement of N12-1000(1250) with N4 with module plate,
fixed mounting on mounting plate

N4-XAS12-1000(1250)



Replacement of N12-1600 with N4 with module plate,
fixed mounting on mounting plate

N4-XAS12-1600



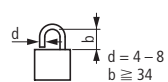
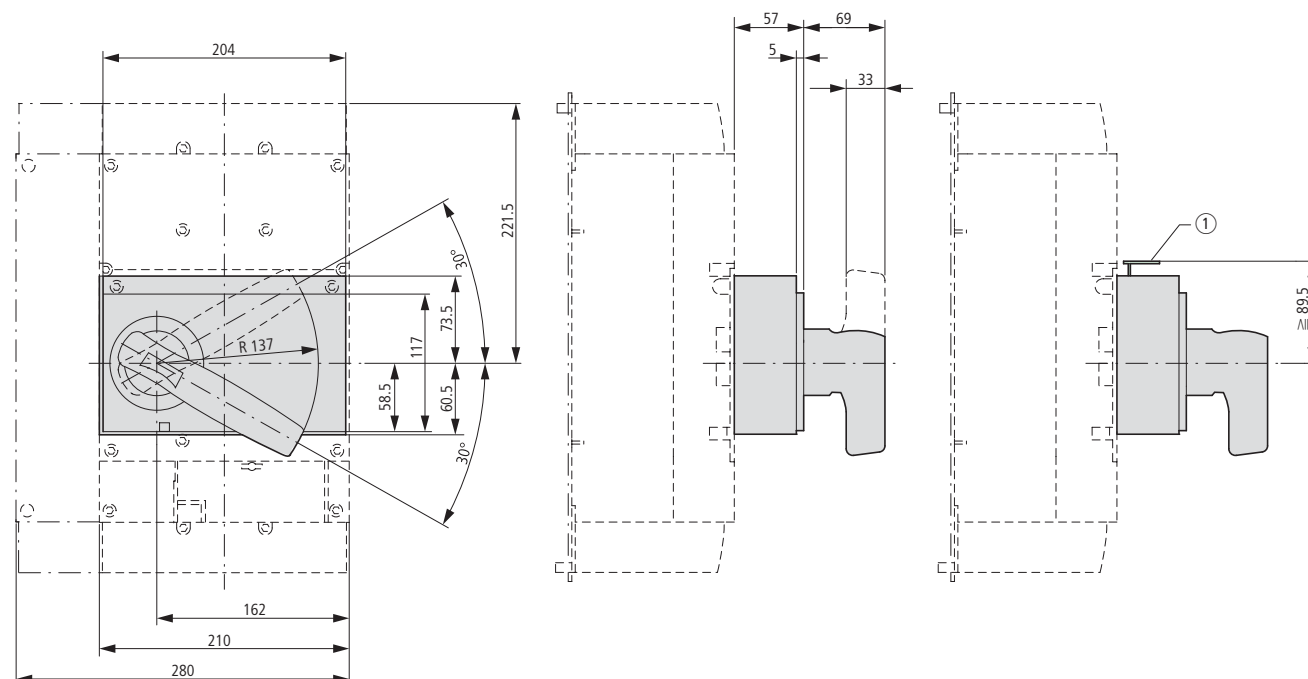
17/228 Circuit-breakers, switch-disconnectors

Construction size 4: accessories

NZM4-XDV..., NZM4-XTVD...

Rotary handle on circuit-breaker

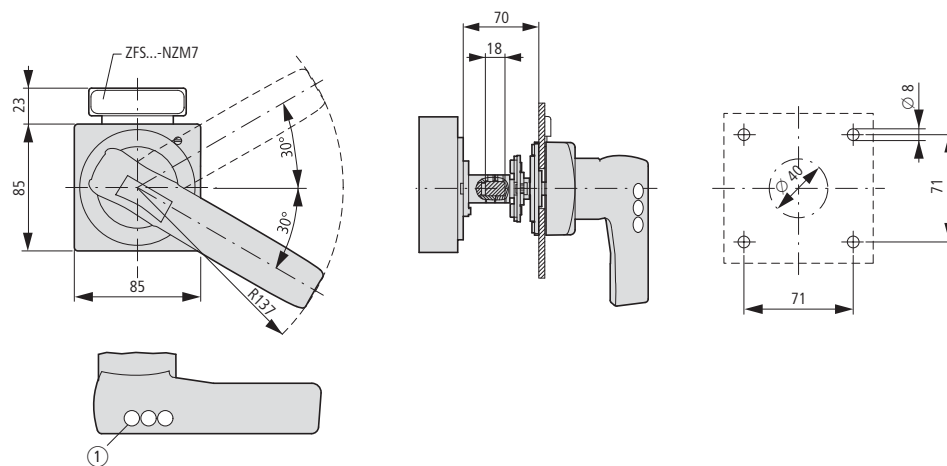
NZM4-XDV(R)



① Up to 3 padlocks

Door coupling rotary handles

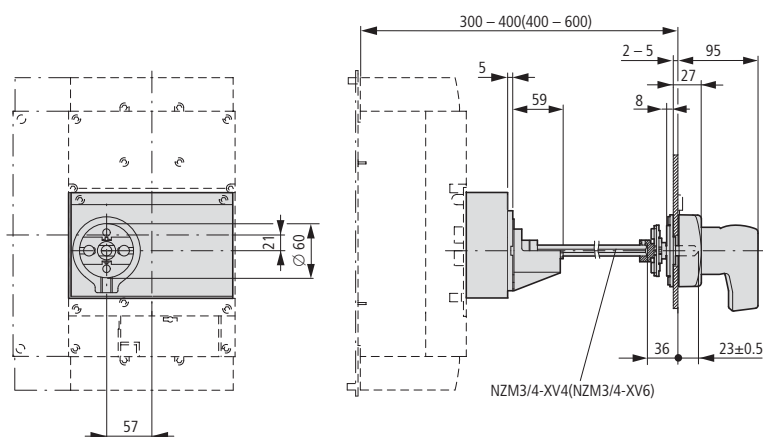
NZM4-XTVD(V)(R)...



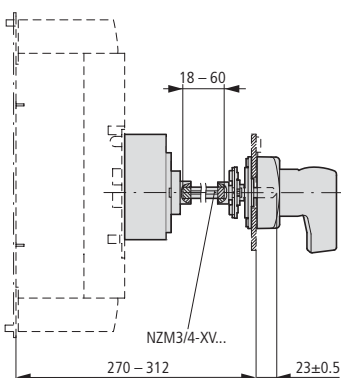
① Up to 3 padlocks

Door coupling rotary handle with extension shaft

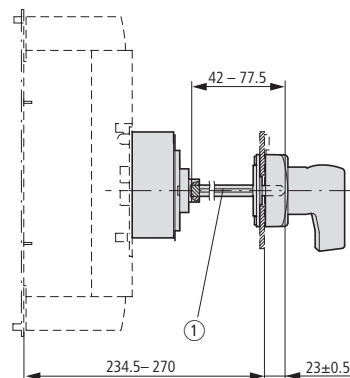
NZM4-XTVD(V)(R)(-NA)
NZM3/4-XV4(6)



NZM4-XTVD(V)(R)(-NA)

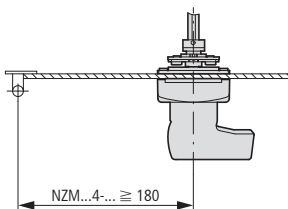


NZM4-XTVD(V)(R)(-NA)



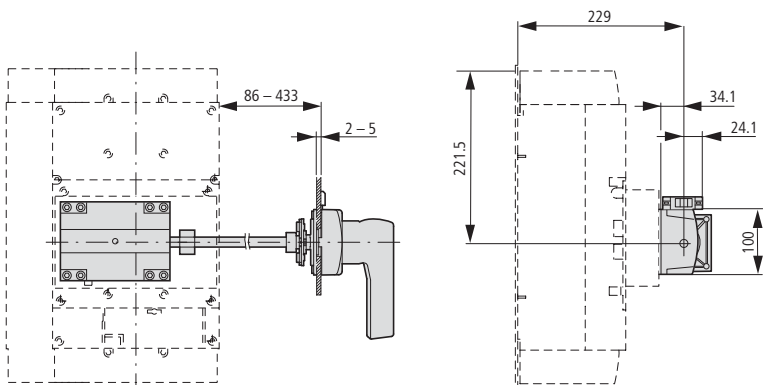
① Special tip

Minimum distance of door coupling rotary handle from door pivot point



Main switch assembly kit for side wall installation

NZM4-XS(R)-L
NZM4-XS(R)-R



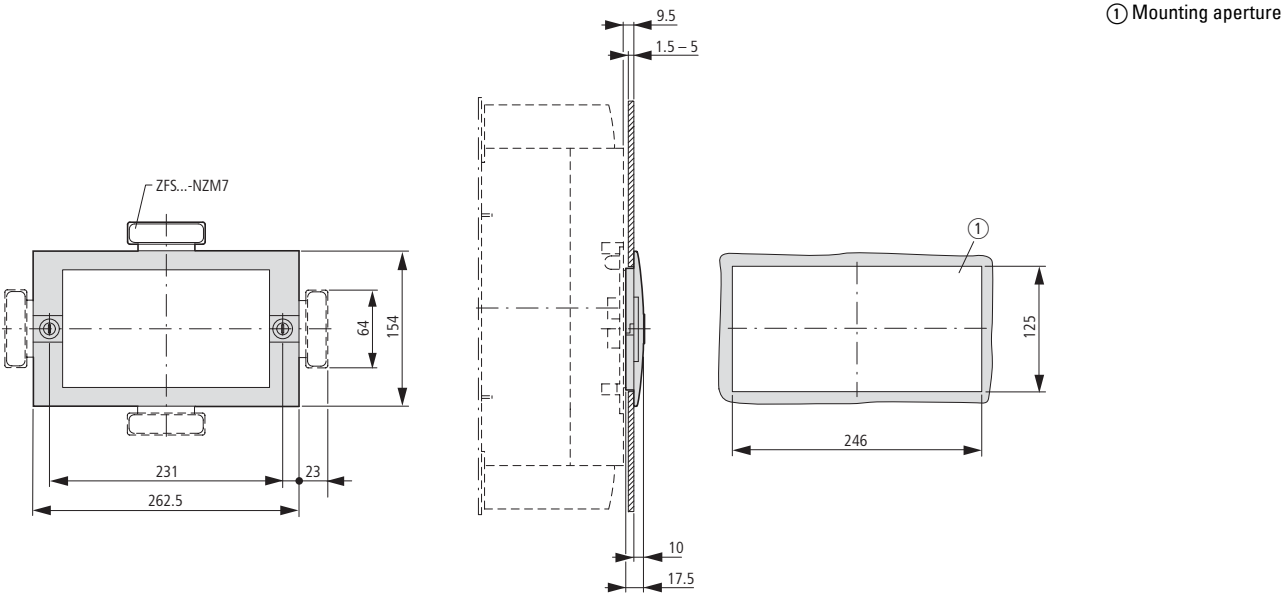
17/230 **Circuit-breakers, switch-disconnectors**

Construction size 4: accessories

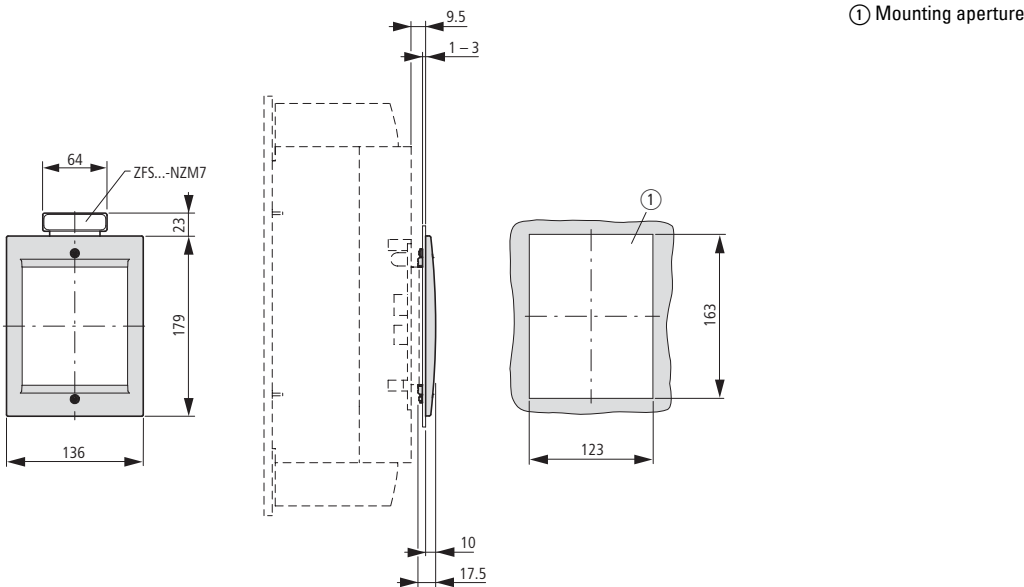
NZM4-XBR, NZM4-XMV, NZM4-X...

Insulating surround

NZM4-XBR

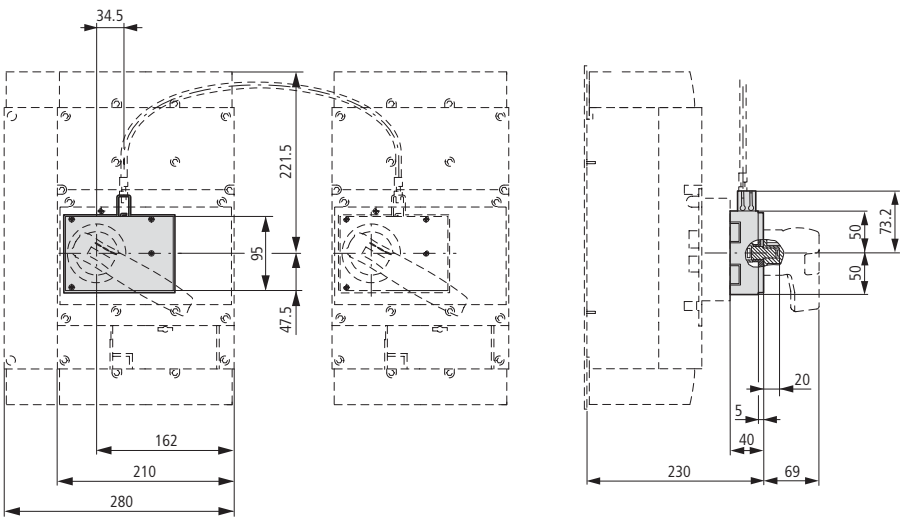


NZM4-XBRS



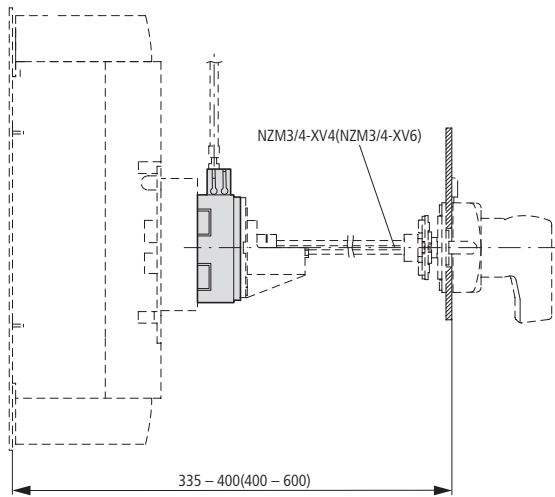
Mechanical interlock

NZM4-XMV + NZM4-XDV(R)

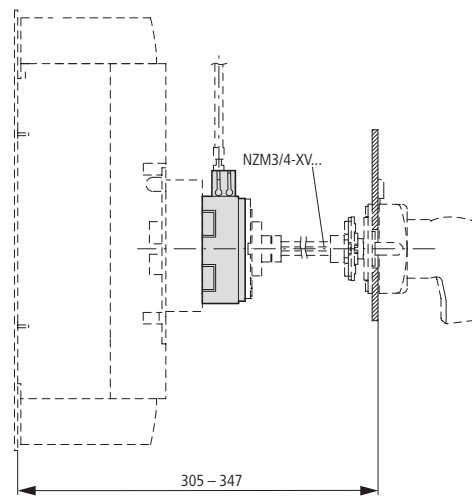


Mechanical interlock

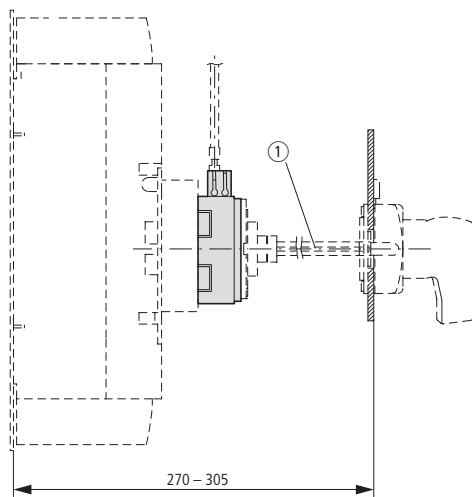
NZM4-XMV + NZM4-XTVD(V)(R)



NZM4-XMV + NZM4-XTVD(V)(R)-60



NZM4-XMV + NZM4-XTVD(V)(R)-0

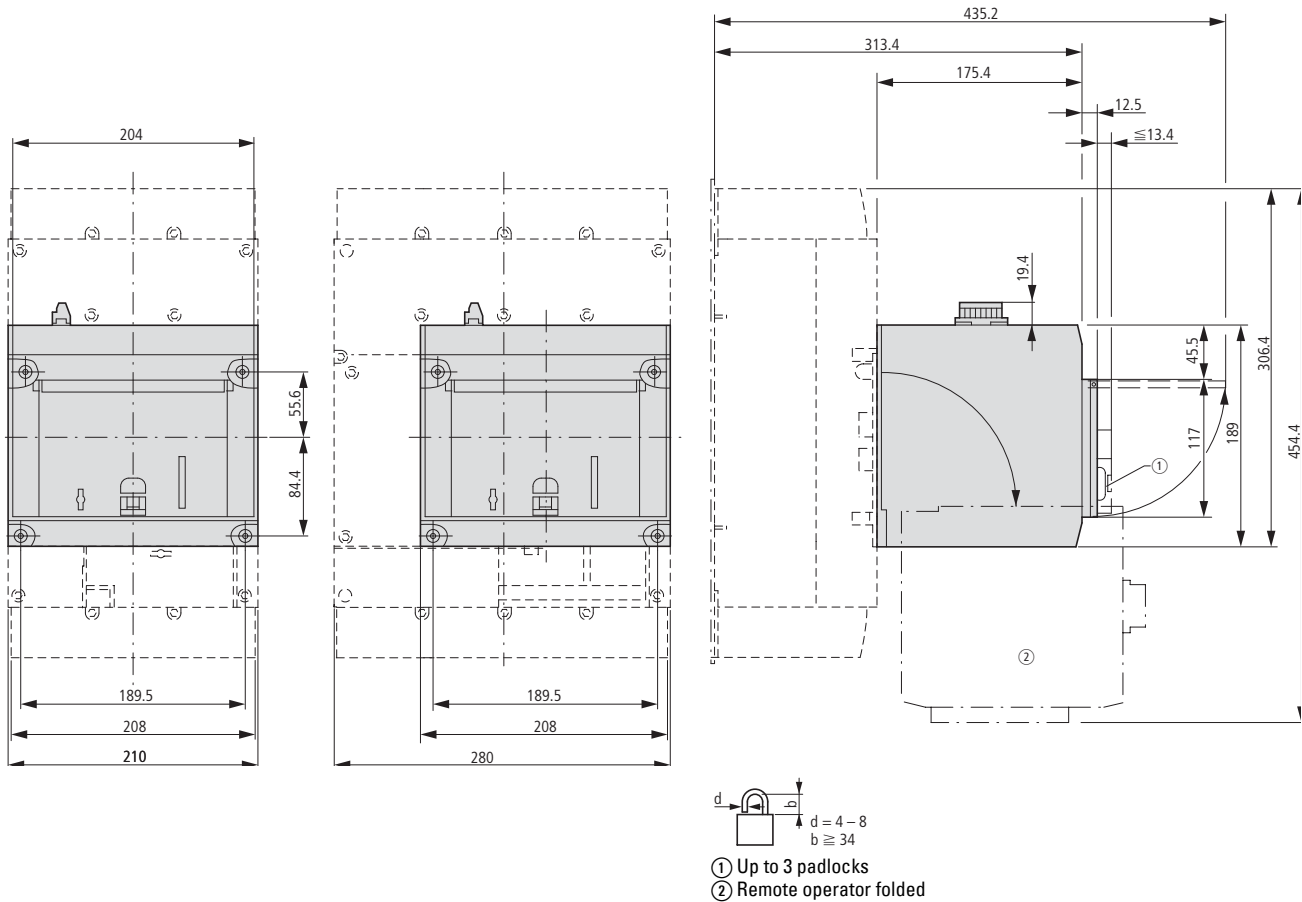


① Special tip



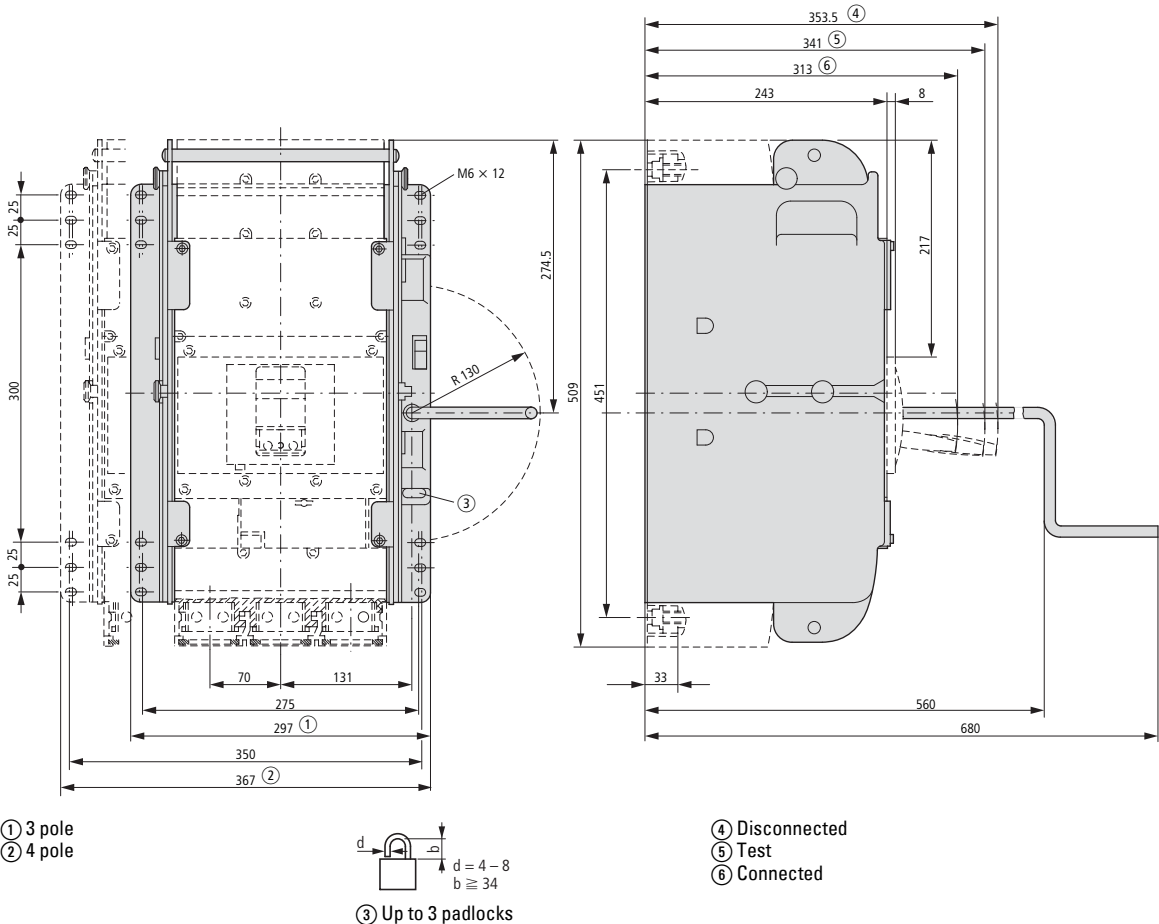
Remote operators

NZM4-XR...



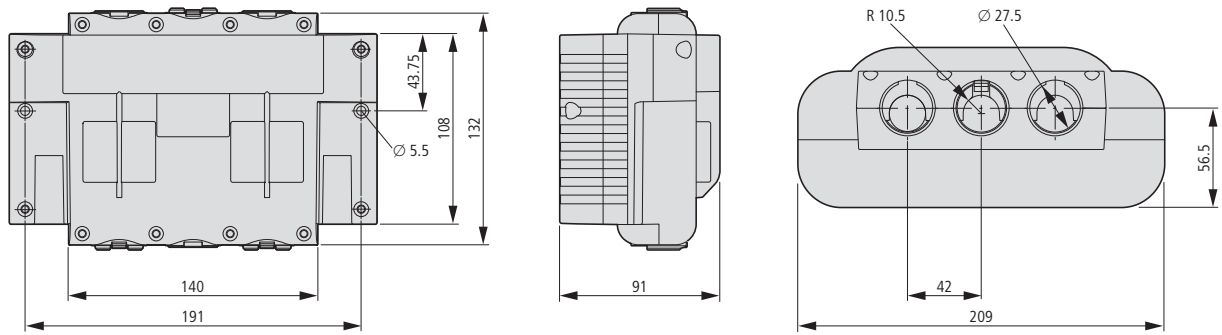
Withdrawable unit

+NZM4-4-XAV

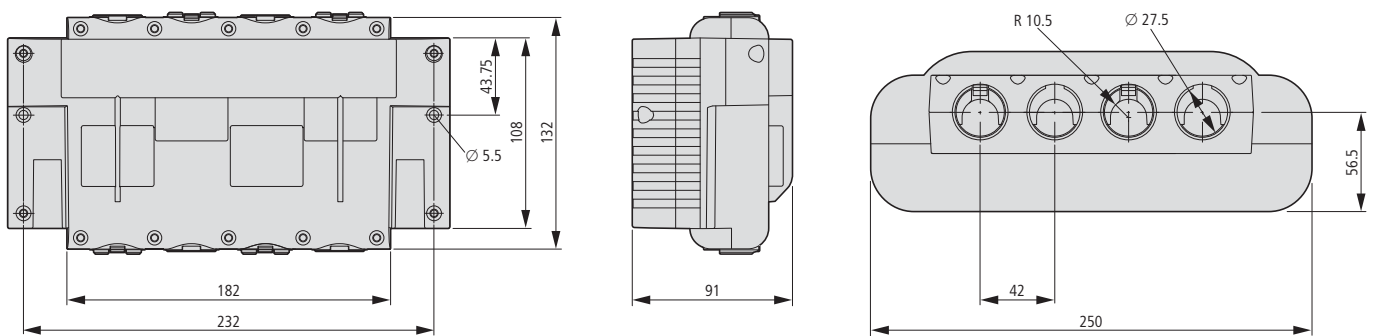


Measuring and communication module

NZM2 (3)...XMC-SO(MB)



NZM2 (3)(-4)...XMC-SO(MB)



Communication interface for SmartWire-Darwin

NZM-XSWD-704

