

Type: **N4-1250-S1**  
 Article No.: **290393**



### Ordering information

Description			Terminal screws standard terminals as accessories
Rated current = rated uninterrupted current	$I_u$	A	1250
Number of conductors			3-pole

### Notes concerning the product group

Accessories → Plug in and withdrawable units on request

### Notes concerning the product group

IEC/EN 61131-3

Main switch characteristics including positive drive to IEC/EN 60204 and VDE 0113.

Isolating characteristics to IEC/EN 60947 and VDE 0660.

Protection against accidental contact according to IEC 0160

With the switch-disconnector N additional voltage releases NZM...-XU, NZM...-XA and trip-indicating auxiliary contacts (HIA) can be used.

N2..., N3... and N4... can also be combined with the NZM...-XR... remote operator.

Permissible terminals:

NZM2: box terminal (+)NZM2-...-XKC..., type of conductor: insulated, stranded round conductor

NZM3: insulated cable lug connection (screw connection NZM3-XKS) with NZM3-XKSA cover

NZM4: insulated busbar connection (screw connection NZM4-XKS)

<b>Switch-disconnectors</b>			
Rated impulse withstand voltage $U_{imp}$			
Main contacts		V	8000
Auxiliary contacts		V	6000
Rated operational voltage	$U_e$	V AC	690
Rated uninterrupted current max.			
IEC/EN 61131-3	$I_u$	A	1600
<b>Technical data, divergent from the products for the IEC market UL489, CSA 22.2 No. 5.1</b>	$I_u$	A	1200
Overvoltage category/pollution degree			III/3
Rated insulation voltage	$U_i$	V AC	1000
<b>Switching capacity</b>			
Rated short-circuit making capacity	$I_{cm}$	kA	53
Rated short-time withstand current			
t = 0.3 s	$I_{cw}$	kA	25
t = 1 s	$I_{cw}$	kA	25
Rated conditional short-circuit current			
With back-up fuse		A gG/gL	2 x 800
400/415 V		kA	100
690 V		kA	80
With downstream fuse		A gG/gL	2 x 800
400/415 V		kA	100
690 V		kA	80
Lifespan, mechanical	Operations		10000
Maximum operating frequency		Ops./h	60
Lifespan, electrical to IEC/EN 60947-4-1 section B			
AC-1			
400/415 V	Operations		3000
690 V	Operations		2000
AC-3			

400/415 V	Operations		2000
690 V	Operations		1000
Current heat loss per pole at $I_u$		W	97
<b>Terminal capacities</b>			
Round copper conductor			
Tunnel terminal			
Stranded			
4-hole		mm <sup>2</sup>	4 × (50 – 240)
Bolt terminal and rear-side connection			
Direct on the switch			
Stranded		mm <sup>2</sup>	1 × (120 – 185) 4 × (50 – 185)
Module plate			
Single hole	min.	mm <sup>2</sup>	1 × (120 – 300)
Single hole	max.	mm <sup>2</sup>	2 × (95 – 300)
Module plate			
Double hole	min.	mm <sup>2</sup>	2 × (95 – 185)
Double hole	max.	mm <sup>2</sup>	4 × (35 – 185)
Connection width extension			
Connection width extension		mm <sup>2</sup>	4 × 300 6 × (95 – 240)
Al conductors, Cu cable			
Tunnel terminal			
Stranded			
4-hole		mm <sup>2</sup>	4 × (50 – 240)
Bolt terminal and rear-side connection			
Module plate			
Single hole	min.	mm <sup>2</sup>	1 × (185 – 240)
Single hole	max.	mm <sup>2</sup>	2 × (70 – 185)
Module plate			
Double hole		mm <sup>2</sup>	4 × 50
Connection width extension			
Connection width extension		mm <sup>2</sup>	2 × 240 6 × (70 – 240)
Cu strip (number of segments x width x segment thickness)			
Flat conductor terminal			
	min.	mm	6 × 16 × 0.8

	max.	mm	(2 ×) 10 × 32 × 1.0
Module plate			
Single hole		mm <sup>2</sup>	(2 ×) 10 × 50 × 1.0
Bolt terminal and rear-side connection			
Flat copper strip, with holes	min.	mm	(2 ×) 10 × 50 × 1.0
Flat copper strip, with holes	max.	mm	(2 ×) 10 × 50 × 1.0
Copper busbar (width × thickness)			
Bolt terminal and rear-side connection			
Screw connection			M10
Direct on the switch			
	min.	mm <sup>2</sup>	25 × 5
	max.	mm <sup>2</sup>	2 × (50 × 10)
Module plate			
Single hole	min.	mm <sup>2</sup>	25 × 5
Single hole	max.	mm <sup>2</sup>	2 × (50 × 10)
Module plate			
Double hole		mm <sup>2</sup>	2 × (50 × 10)
Connection width extension			
Connection width extension	min.	mm <sup>2</sup>	60 × 10
Connection width extension	max.	mm <sup>2</sup>	2 × (80 × 10)
Control cables			
		mm <sup>2</sup>	1 × (0.75 – 2.5) 2 × (0.75 – 1.5)
<b>Dimensions</b>			
			Clearance from conductive parts 100 mm, laterally 15 mm
<b>Notes</b>			
			The current heat loss per pole ratings refer to the maximum current rating of the frame size.

## Overview

Basic equipment

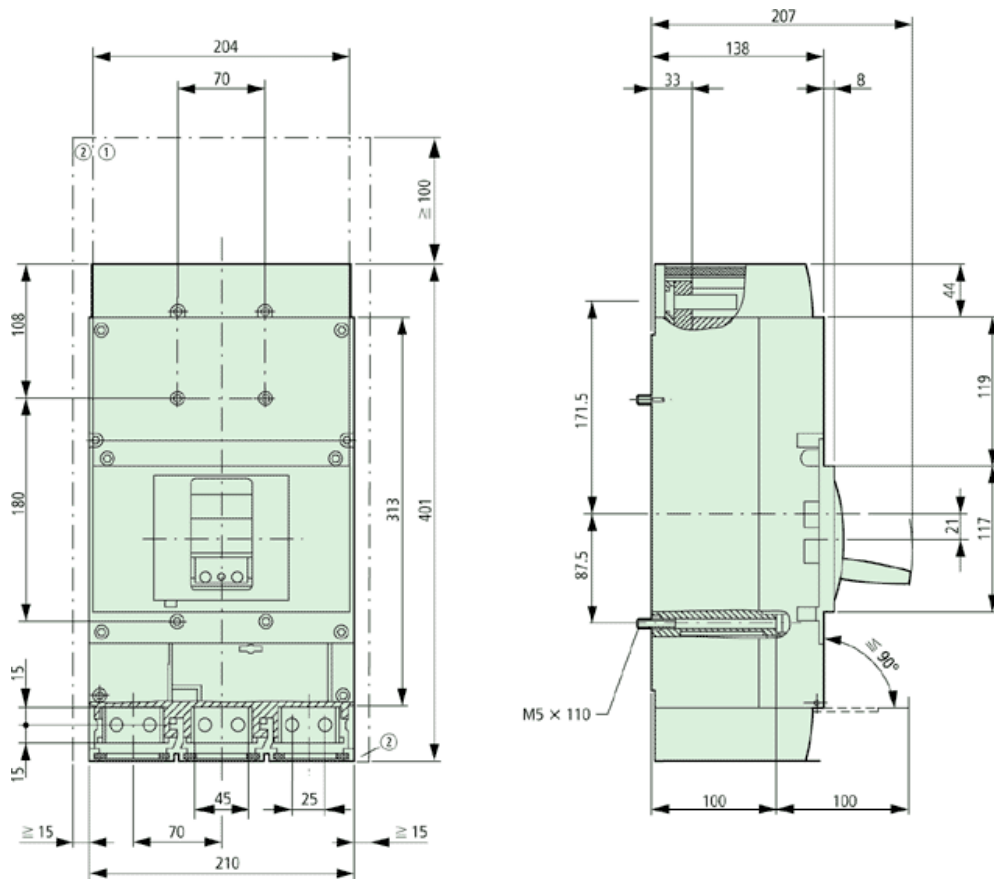
Box terminal      ● – – –

Screw connection      – ● ● ●

Accessories

Box terminal	— ● ● —
Screw connection	● — — ●
Tunnel terminal	● ● ● ●
Connection on rear	● ● ● ●
Flat conductor terminal	— — — ●

## Dimensions



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