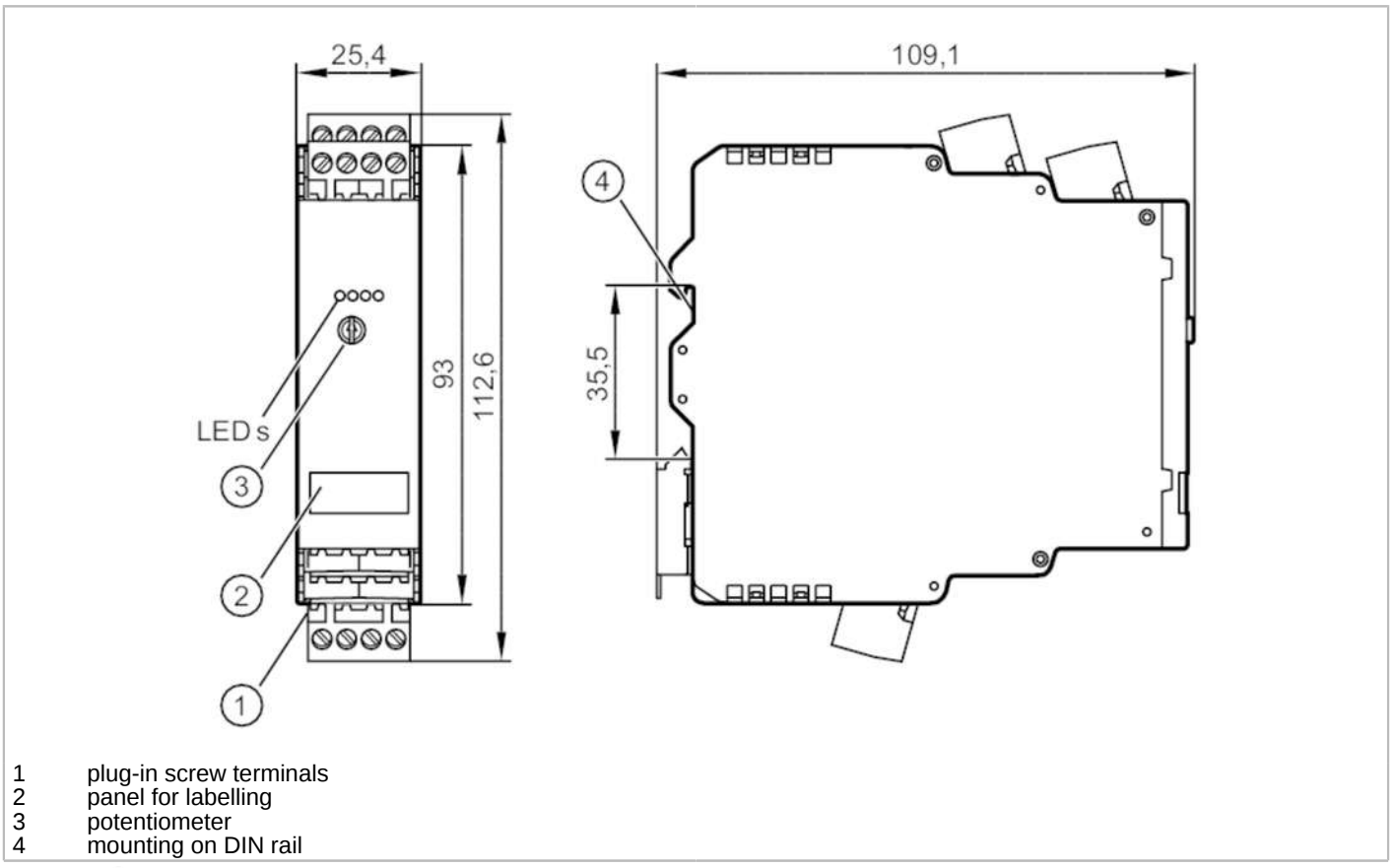
DN0210

Switching amplifier

N200/SA-1 110-240VAC



1 plug-in screw terminals
2 panel for labelling
3 potentiometer
4 mounting on DIN rail

Product characteristics		
Housing		housing for DIN rail mounting
Dimensions	[mm]	112.6 x 25.4 x 109.1
Application		
Application		Power supply and signal evaluation
Electrical data		
Nominal voltage AC	[V]	110...240
Nominal voltage tolerance	[%]	> 20
Nominal voltage tolerance 2	[%]	20...10
Nominal frequency AC	[Hz]	50...60
Insulation rating	[V]	9
Max. power consumption AC	[W]	11
Auxiliary energy for sensors DC	[V]	24; (SELV, ± 10 %, 300 mA)
Number of channels		1
Inputs / outputs		
Number of inputs and outputs		Number of relay outputs: 1
Inputs		
Input circuit of digital inputs		PNP/NPN

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Outputs			
Number of relay outputs			1
Contact rating			4 A (240 V AC, 24 V DC); (ohmic resistance)
Operating conditions			
Ambient temperature	[°C]		-20...60
Storage temperature	[°C]		-25...70
Max. relative air humidity	[%]		80; (40 °C: 50 % non condensing)
Max. height above sea level	[m]		3000
Protection			IP 20
Protection rating terminals			IP 20
Pollution degree			2; (≤ 240 V AC)
Tests / approvals			
MTTF	[years]		290
Mechanical data			
Weight	[g]		214
Housing			housing for DIN rail mounting
Type of mounting			mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]		112.6 x 25.4 x 109.1
Materials			plastics: PC-GF20
Displays / operating elements			
Display		power supply	1 x LED, green
		Output	1 x LED, yellow
		errors	1 x LED, red
Accessories			
Items supplied			connector: 3 x 4-pole, with screw connection

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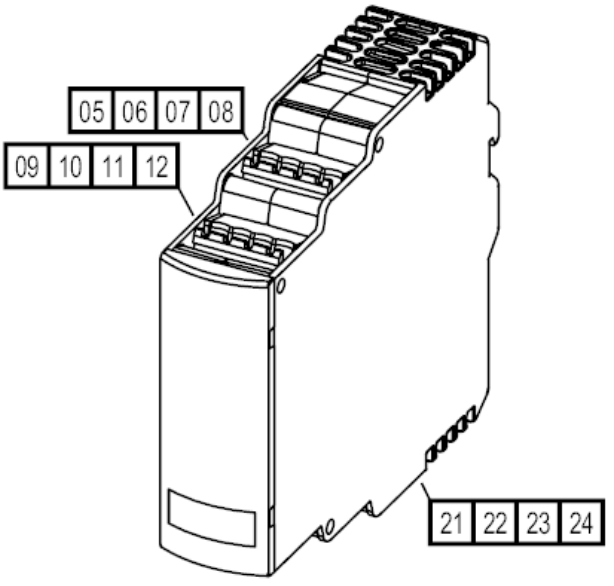
Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection



05	relay normally open
06	relay common
07	relay common
08	relay normally closed
09	DC Sensor supply (+)
10	sensor signal pnp/npn
11	not used
12	DC Sensor supply (-)
21	AC supply voltage (L)
22	AC supply voltage (L)
23	AC supply voltage (N)
24	AC supply voltage (N)