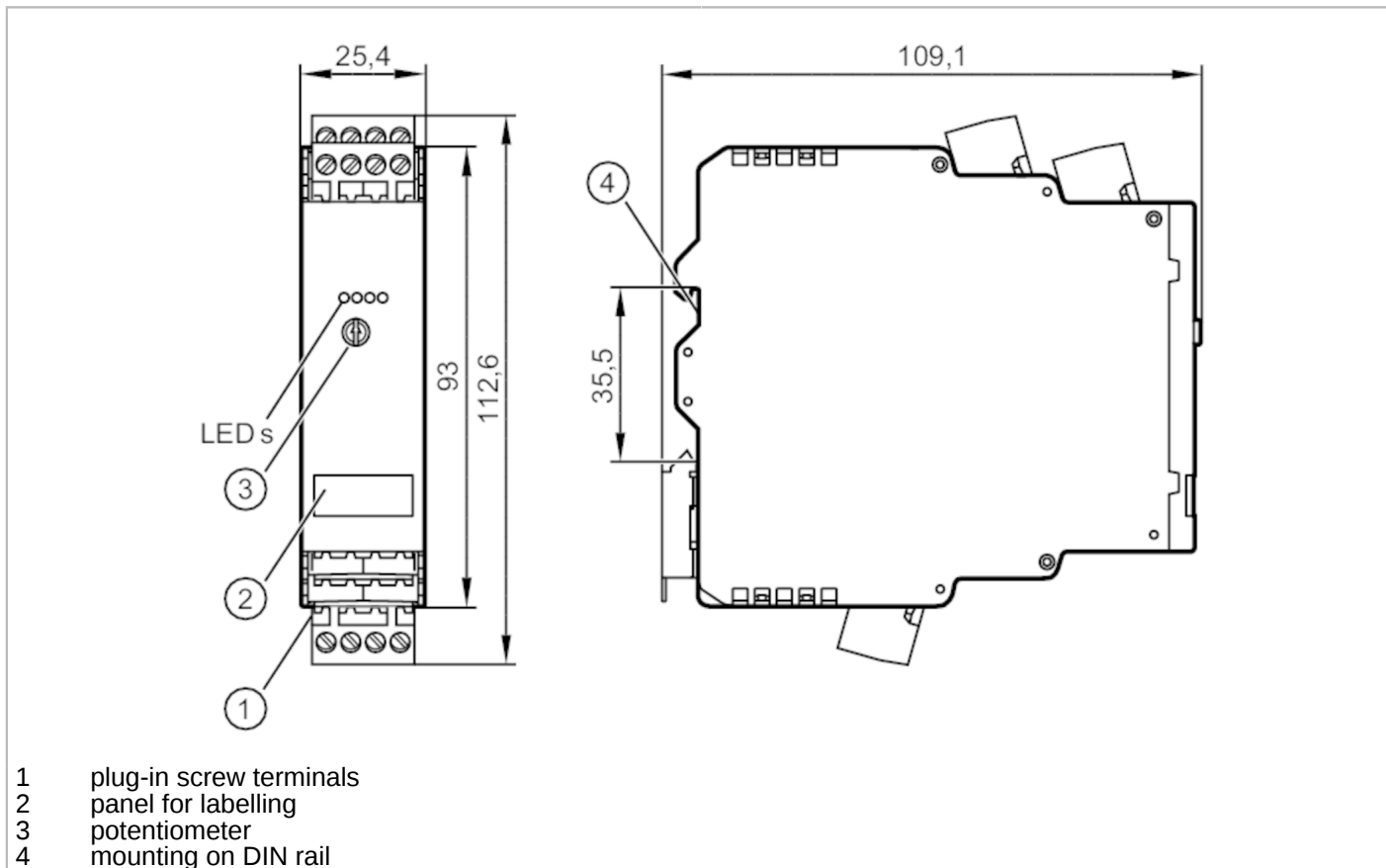


DN0210



Switching amplifier

N200/SA-1 110-240VAC



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
Outputs	
Number of relay outputs	1
Contact rating	4 A (240 V AC, 24 V DC); (ohmic resistance)
Detection zone	
Sensing range adjustable	no

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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
Degree of soiling		2; (≤ 240 V AC)

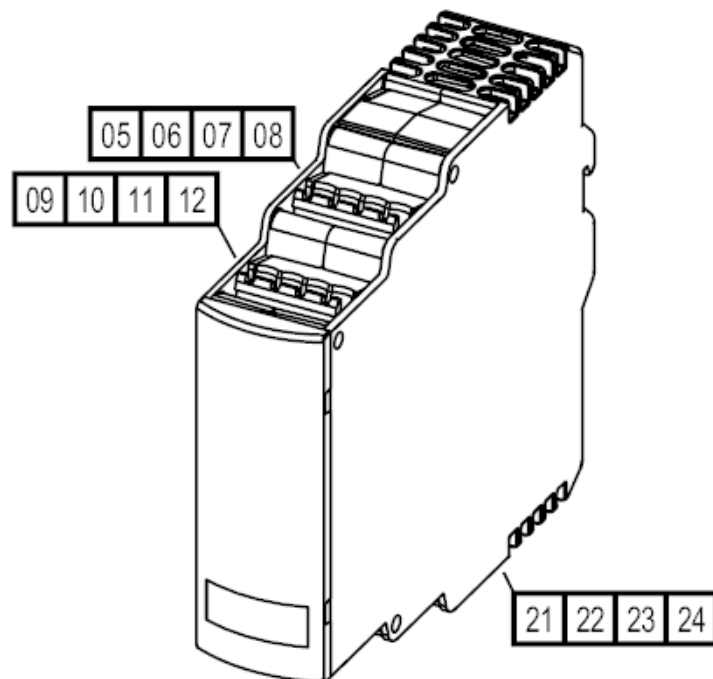
Mechanical data		
Weight	[g]	212.9
Housing		housing for DIN rail mounting
Type of mounting		rail; (TH35 EN 60715)
Materials		plastics: PC-GF20

Displays / operating elements		
Display	voltage supply	1, green
	Output	1, yellow
	errors	1, red

Accessories	
Accessories (supplied)	connector: 3 x 4-wire, with screw connection

Electrical connection
pin headers: 4 x ; Spacing: 5.0 mm

Connection



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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)