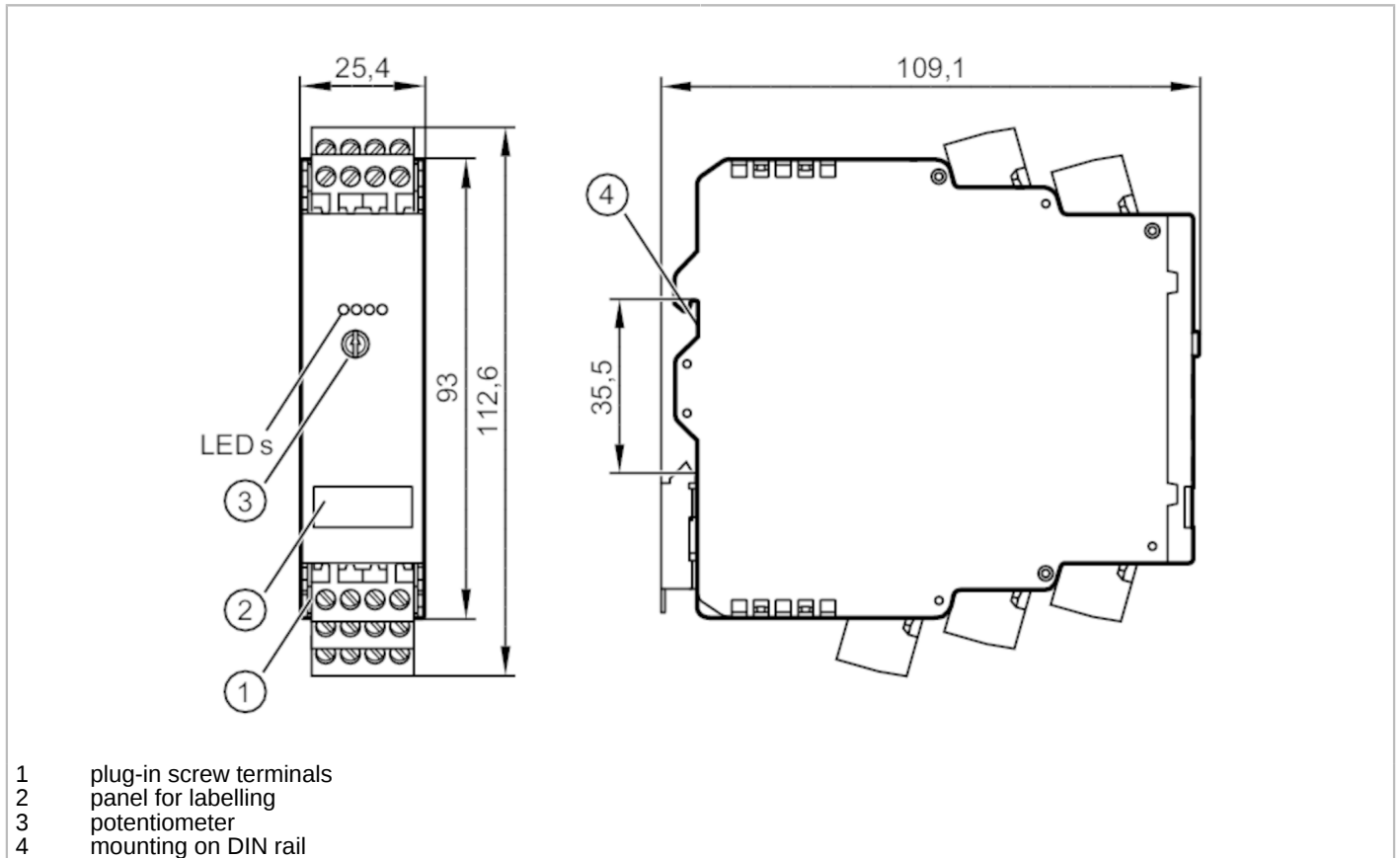


# DN0220



## Switching amplifier

N200/SA-2 110-240VAC



Product characteristics	
Housing	housing for DIN rail mounting
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 %, 2 x ≤ 150 mA)
Number of channels	2
Inputs / outputs	
Number of inputs and outputs	Number of relay outputs: 2
Inputs	
Input circuit of digital inputs	PNP/NPN
Outputs	
Number of relay outputs	2

# DN0220



## Switching amplifier

N200/SA-2 110-240VAC

Contact rating	4 A (240 V AC, 24 V DC); (ohmic resistance)
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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
Pollution degree		2; ( $\leq$ 240 V AC)

### Tests / approvals

MTTF	[years]	215
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### Mechanical data

Weight	[g]	240.5
Housing		housing for DIN rail mounting
Type of mounting		rail; (TH35 EN 60715)
Materials		plastics: PC-GF20

### Displays / operating elements

Display	power supply	1 x LED, green
	Output	2 x LED, yellow
	errors	1 x LED, red

### Accessories

Items supplied	connector: 5 x 4-pole, with screw connection, E40173
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# DN0220



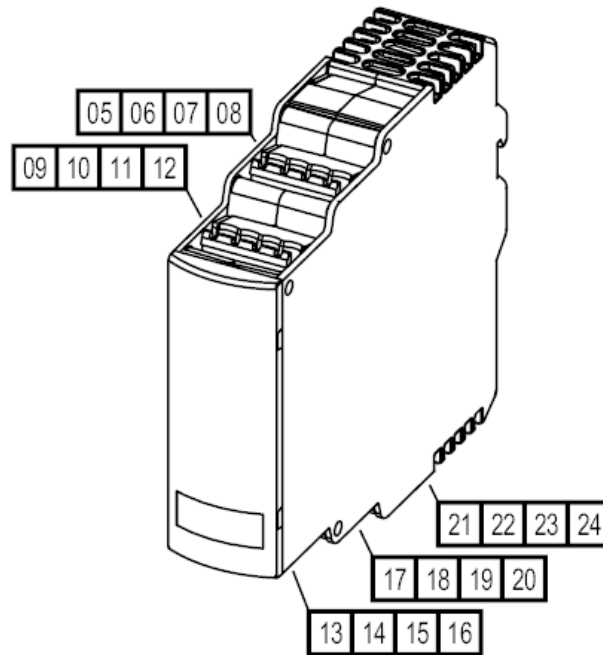
## Switching amplifier

N200/SA-2 110-240VAC

### Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

### Connection



05	relay 1 normally open
06	relay 1 common
07	relay 1 common
08	relay 1 normally closed
09	DC Sensor supply 1 (+)
10	sensor signal 1 pnp/npn
11	not used
12	DC Sensor supply 1 (-)
13	DC Sensor supply 2 (+)
14	sensor signal 2 pnp/npn
15	not used
16	DC Sensor supply 2 (-)
17	relay 2 normally open
18	relay 2 common
19	relay 2 common
20	relay 2 normally closed
21	AC supply voltage (L)
22	AC supply voltage (L)
23	AC supply voltage (N)
24	AC supply voltage (N)