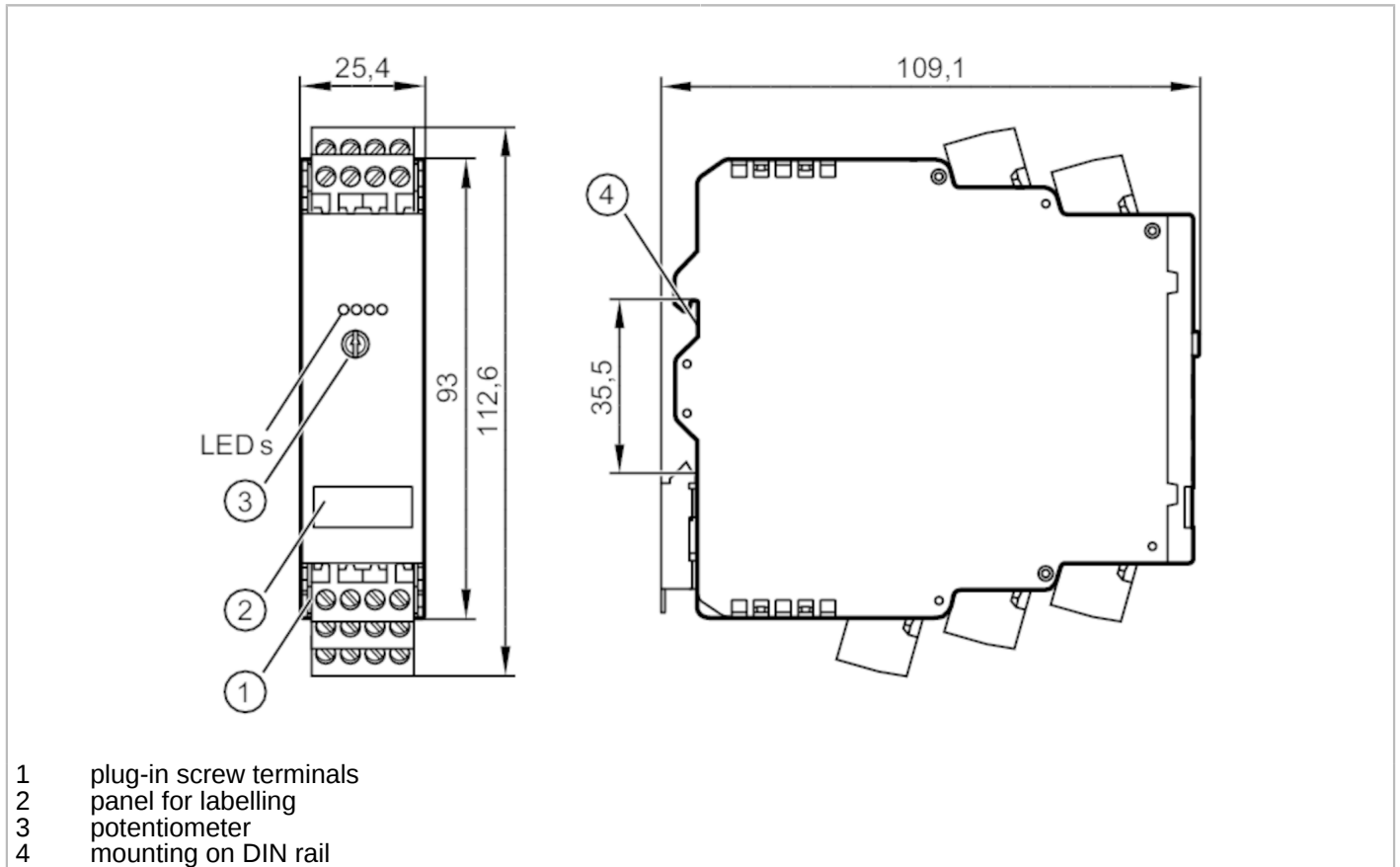


# DN0220



## Switching amplifier

N200/SA-2 110-240VAC



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 %, 2 x ≤ 150 mA)
Number of channels	2
Inputs / outputs	
Number of inputs and outputs	Number of relay outputs: 2
Outputs	
Number of relay outputs	2
Contact rating	4 A (240 V AC, 24 V DC); (ohmic resistance)
Detection zone	
Sensing range adjustable	no

# DN0220



## Switching amplifier

N200/SA-2 110-240VAC

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; ( $\leq$ 240 V AC)

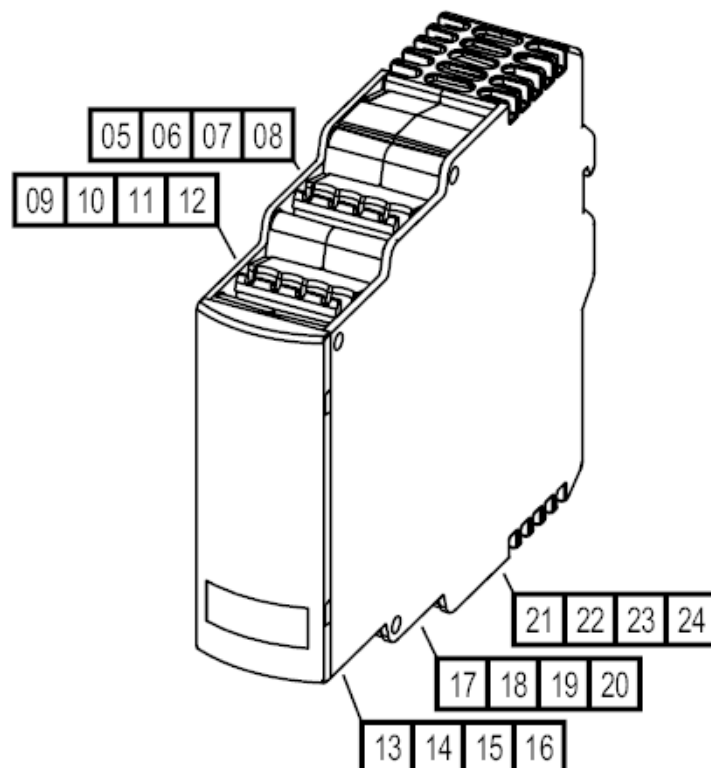
Mechanical data		
Weight	[g]	238.2
Housing		housing for DIN rail mounting
Type of mounting		rail; (TH35 EN 60715)
Materials		plastics: PC-GF20

Displays / operating elements		
Display	voltage supply	1, green
	Output	2, yellow
	errors	1, red

Accessories	
Accessories (supplied)	connector: 5 x 4-wire, with screw connection, E40173

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

### Connection



# DN0220



## Switching amplifier

N200/SA-2 110-240VAC

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)