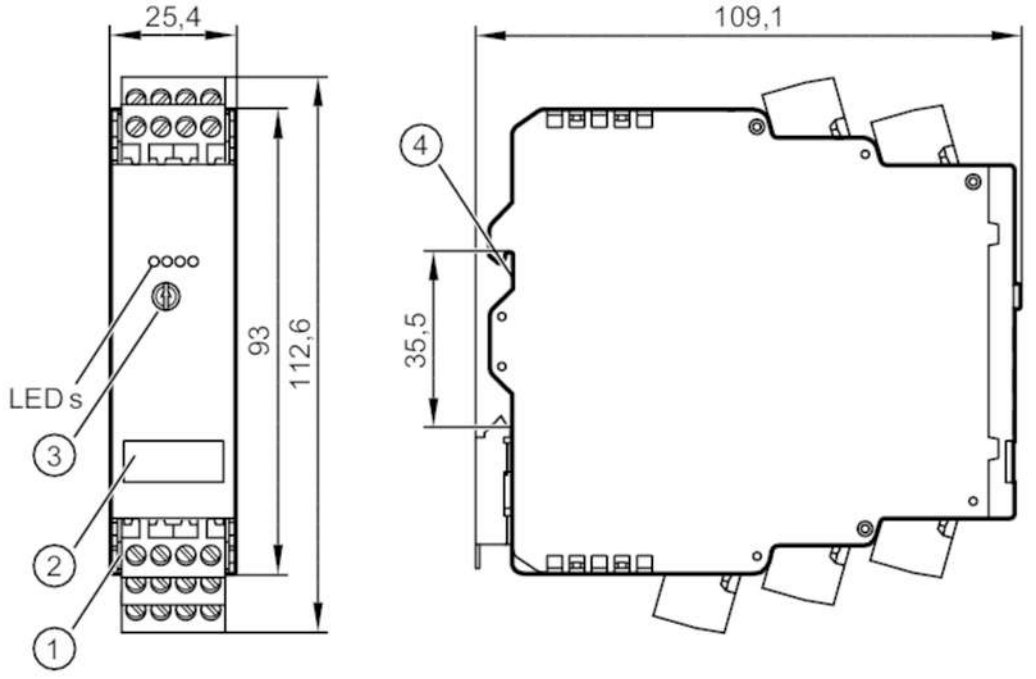
DN0220

Switching amplifier

N200/SA-2 110-240VAC



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

Product characteristics		
Housing		housing for DIN rail mounting
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)
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]		215
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

DN0220

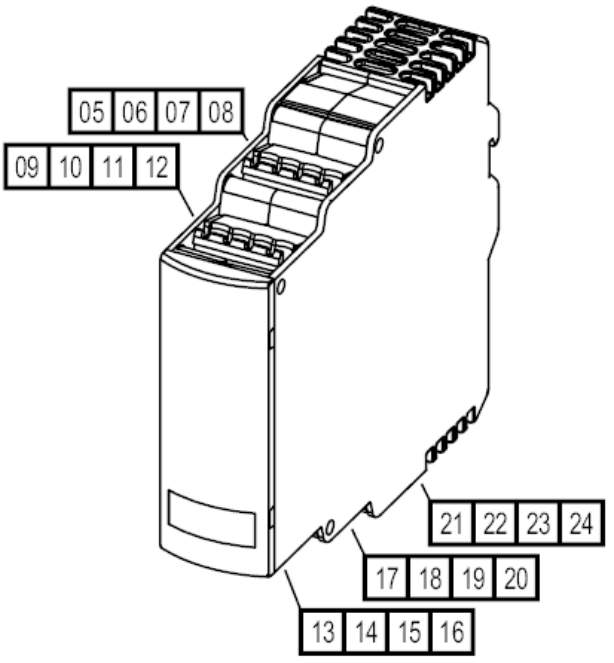
Switching amplifier

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)