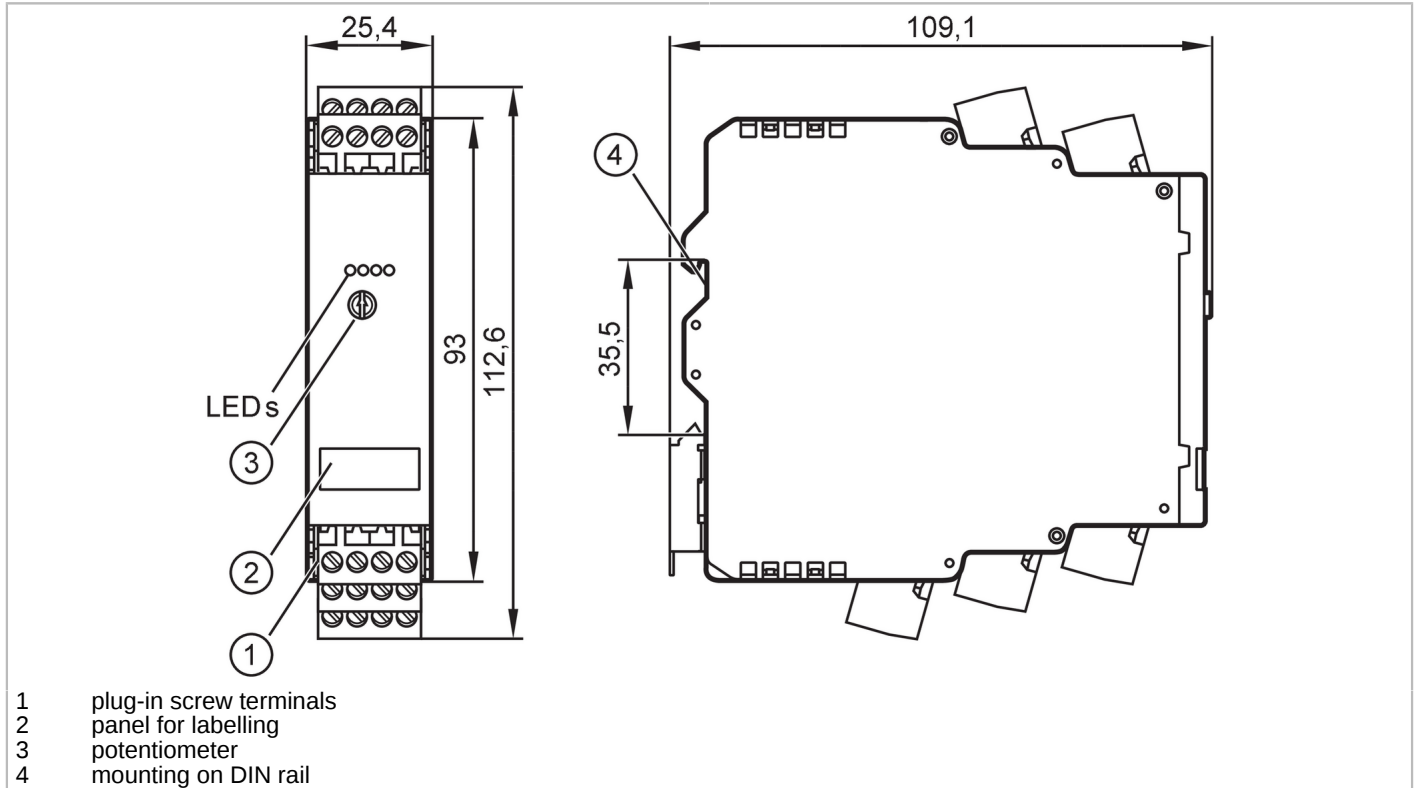


DN0220



Switching amplifier

N200/SA-2 110-240VAC



Product characteristics	
Housing	rectangular
Dimensions [mm]	112.6 x 25.4 x 109.1
Application	
Design	housing for DIN rail mounting
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		rectangular
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	112.6 x 25.4 x 109.1
Materials		housing: PC-GF20

Displays / operating elements

Display	voltage 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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Remarks

Pack quantity	1 pcs.
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DN0220



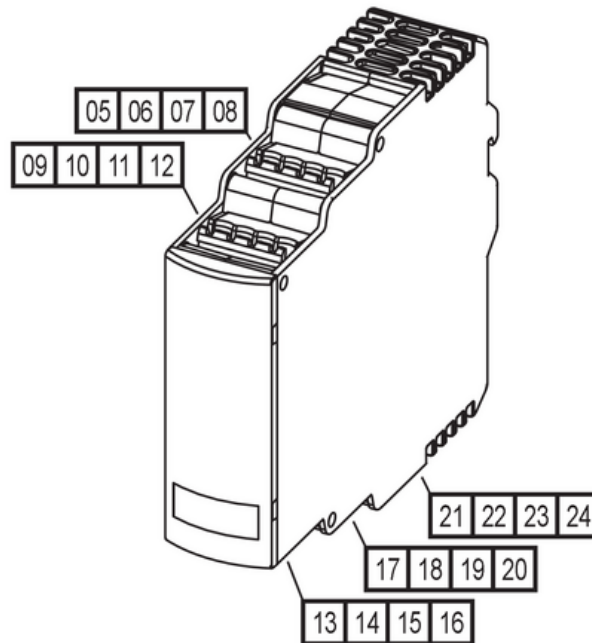
Switching amplifier

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)