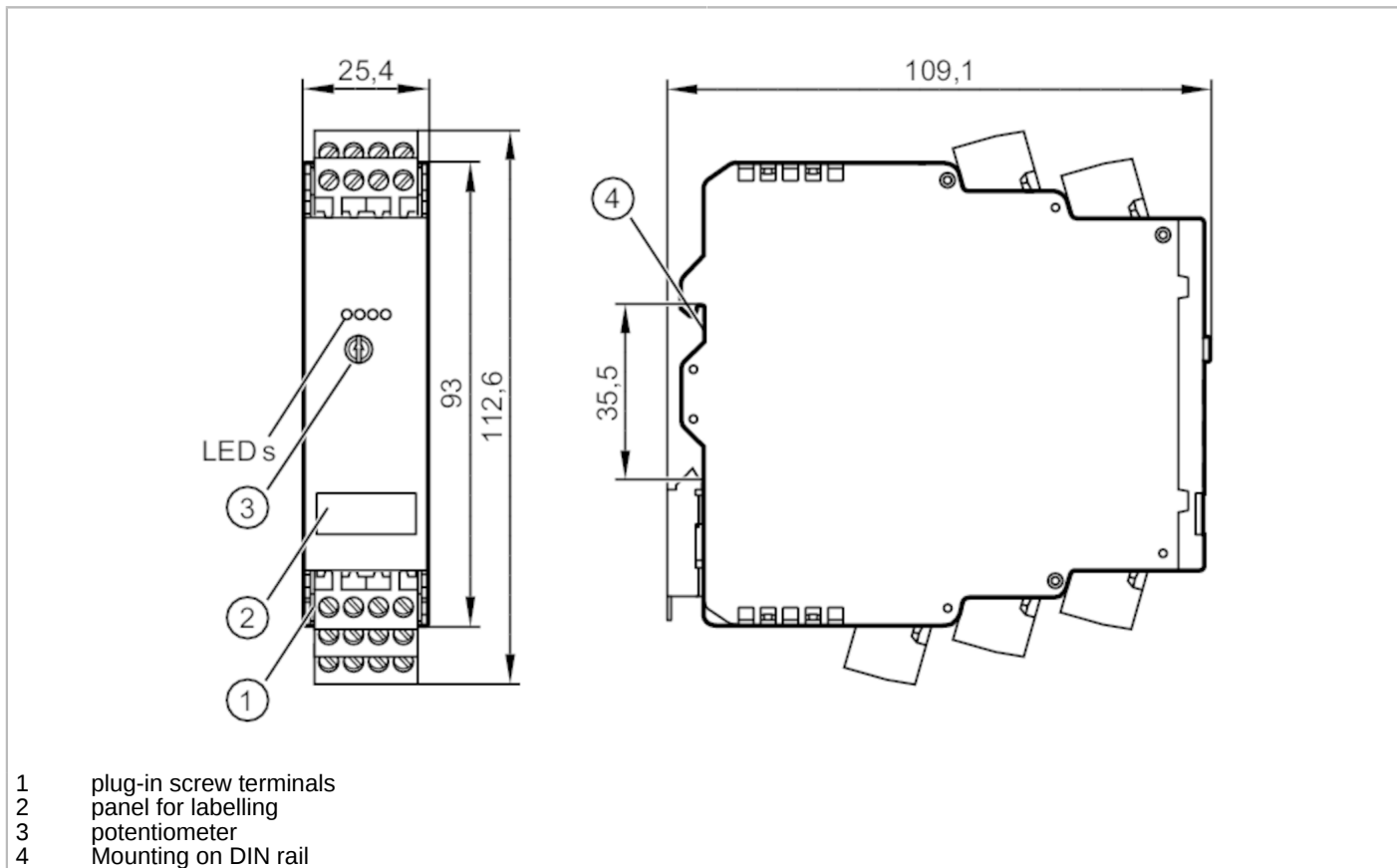


DN0220



Switching amplifier

N200/SA-2 110-240VAC



Product characteristics

Housing	housing for DIN rail mounting
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Application

Application	Power supply and signal evaluation
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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, $\pm 10\%$, $2 \times \leq 150 \text{ mA}$)
Number of channels		2

Inputs / outputs

Number of inputs and outputs	Number of relay outputs: 2
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Inputs

Input circuit of digital inputs	PNP/NPN
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Outputs

Number of relay outputs	2
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Switching amplifier

N200/SA-2 110-240VAC

Contact rating	4 A (240 V AC, 24 V DC); (resistive load)	
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)
Tests / approvals		
MTTF	[years]	215
Mechanical data		
Weight	[g]	240.5
Housing		housing for DIN rail mounting
Type of mounting		rail; (TH35 EN 60715)
Material		plastics: 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-wire, with screw connection, E40173	

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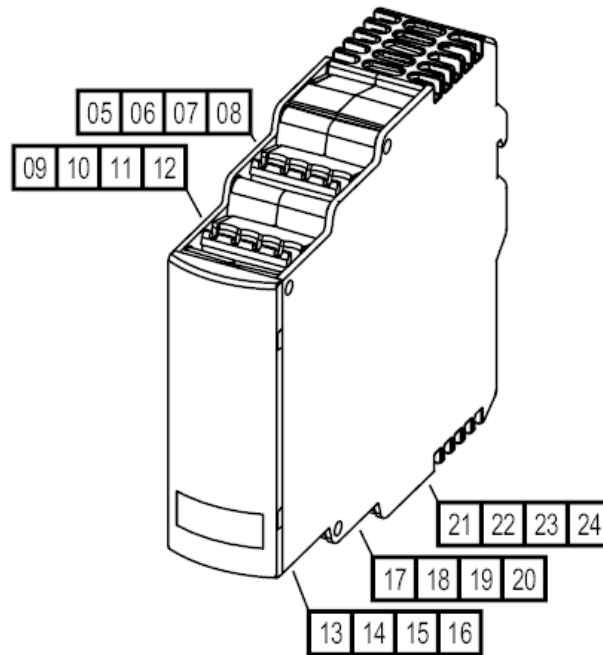
Switching amplifier

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)