

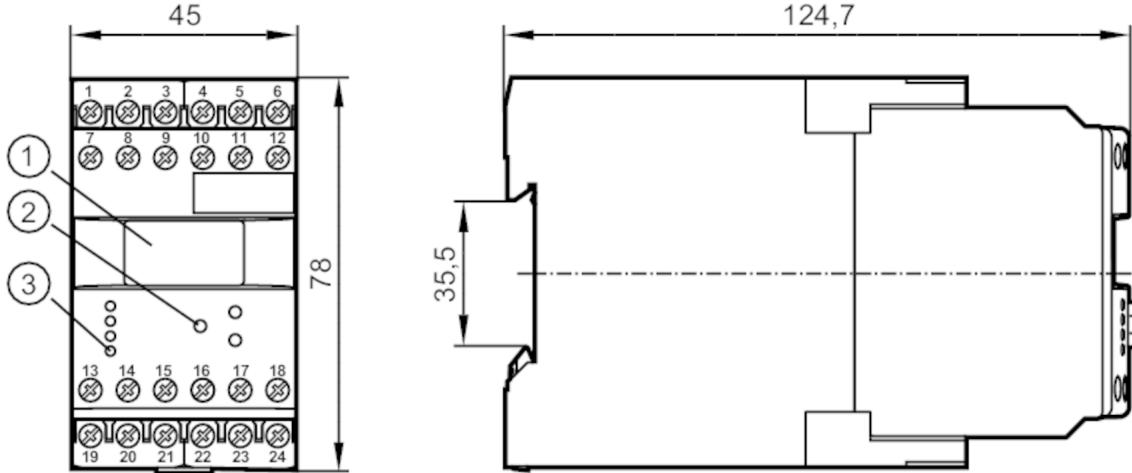
# DL2503



## Evaluation unit for monitoring analogue standard signals

MONITOR/AL-3 /110-240VAC/DC

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- 1 OLED display
- 2 programming buttons
- 3 LEDs



### Product characteristics

Housing	housing for DIN rail mounting
Dimensions [mm]	78 x 45 x 124.7

### Application

Application	2-channel threshold relay for analogue standard signals
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### Electrical data

Nominal voltage AC [V]	110...240
Nominal voltage DC [V]	27
Nominal voltage tolerance [%]	< 10
Nominal voltage tolerance 2 [%]	20...10
Nominal frequency AC [Hz]	50...60
Power consumption [W]	5
Auxiliary energy for sensors DC	19.6...27.7; (SELV, ≤ 150 mA)

### Operating conditions

Ambient temperature [°C]	-40...60
Storage temperature [°C]	-40...85
Max. relative air humidity [%]	80; (40 °C: 50 %)
Protection	IP 50
Protection rating terminals	IP 20

### Tests / approvals

EMC	EN 61010	2011
	EMV 89/336/EWG	
	EN 61000-6-2	2005
	EN 61000-6-4	2007

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### Mechanical data

Weight	[g]	376
Housing		housing for DIN rail mounting
Dimensions	[mm]	78 x 45 x 124.7
Materials		plastics

### Displays / operating elements

Display	OLED display, 128 x 64 pixels luminous
	switching status LED, green

### Electrical connection

dual-chamber terminals: 2 x ...2.5 mm<sup>2</sup>; AWG 14

1	24 V DC supply voltage (L-)
2	24 V DC supply voltage (L+)
3	current supply transistor outputs (L+)
4	analogue input GND
5	analogue input In1 (0/4...20 mA)
6	analogue input In2 (0/4...20 mA)
7	AC supply voltage (L)
8	AC supply voltage (N)
9	not used
10	24 V DC Sensor supply (L+)
11	24 V DC Sensor supply (L-)
12	transistor output signal monitoring pnp
13	relay Out1 common
14	relay Out1 normally open
15	relay Out1 normally closed
16	transistor output Out1 pnp
17	release 1/2 pnp (+ 24 V DC)
18	reset 1/2 pnp (+ 24 V DC)
19	relay Out2 common
20	relay Out2 normally open
21	relay Out2 normally closed
22	analogue output Out3 0/4...20 mA (+)
23	analogue output Out3 0/4...20 mA (-)
24	transistor output Out2 pnp