

# DD2510

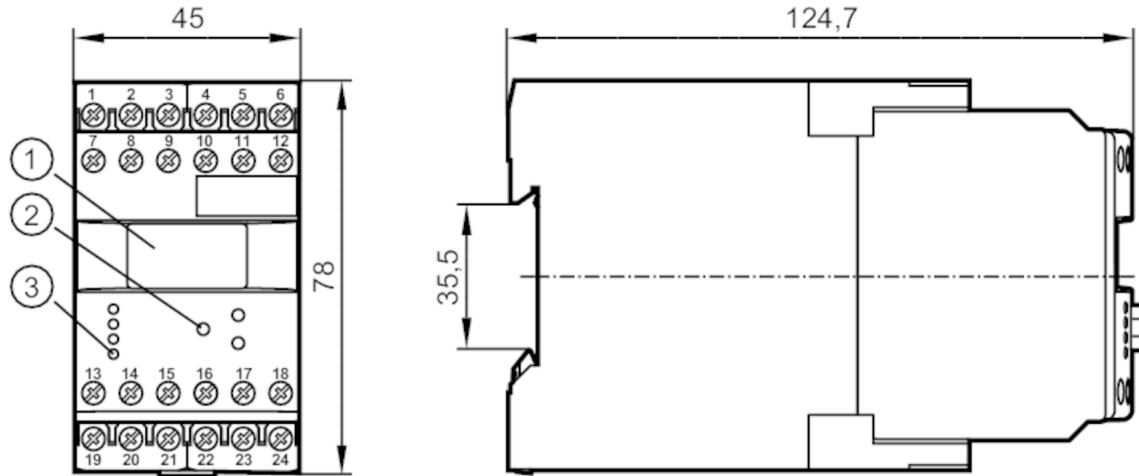


## Evaluation unit for speed monitoring

MONITOR/FR-1 /230VAC

Discontinued article

Discontinuation date: 31.03.2018



- 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	pulse evaluation system with microprocessor for frequency; rotational speed; speed; pulses and machine cycles
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### Electrical data

Nominal voltage AC [V]	< 230
Nominal voltage DC [V]	24
Nominal voltage tolerance [%]	10
Nominal voltage tolerance 2 [%]	10
Nominal frequency AC [Hz]	50...60
Power consumption [W]	3
Auxiliary energy for sensors DC [V]	19.6...27.7; (SELV, ≤ 15 mA)

### Inputs / outputs

Number of inputs and outputs	Number of analog outputs: 1; Number of relay outputs: 2
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### Outputs

Number of relay outputs	2
Contact rating	4 A (250 V AC)
Number of analog outputs	1
Analog current output [mA]	4...20
Max. load [Ω]	500

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Measuring/setting range		
Setting range Hz [Hz]	0.1...1000	
Setting range [Imp/min]	1...60000	
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
Mechanical data		
Weight [g]	380	
Housing	housing for DIN rail mounting	
Dimensions [mm]	78 x 45 x 124.7	
Material	plastics	
Displays / operating elements		
Display	Switching status	OLED display, 128 x 64 pixels luminous LED, green
Remarks		
Remarks	overvoltage category II; degree of soiling 2	
Notes	Discontinued article	

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### Electrical connection

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

1	DC Supply voltage (L-)
2	DC Supply voltage (L+)
3	Supply transistor outputs (L+)
4	sensor signal pnp
5	DC Sensor supply (L+)
6	DC Sensor supply (L-)
7	AC Supply voltage (L)
8	AC Supply voltage (N)
9	not used
10	sensor signal npn
11	not used
12	not used
13	Relay 1 common
14	Relay 1 normally open
15	Relay 1 normally closed
16	transistor output 1 pnp
17	Reset 1 pnp
18	Reset 2 pnp
19	Relay 2 common
20	Relay 2 normally open
21	Relay 2 normally closed
22	analog output (+)
23	analog output (-)
24	transistor output 2 pnp

Discontinued article

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