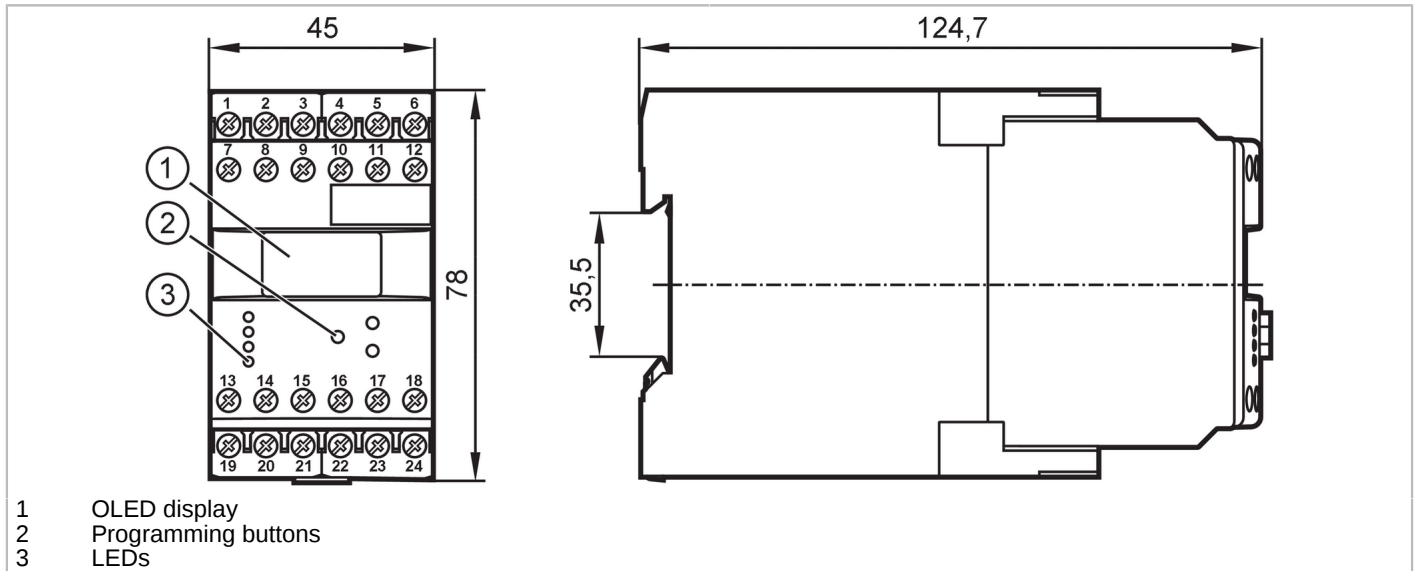


DD2505



Evaluation unit for speed monitoring

MONITOR/FR-2 /110-240VAC/DC



- 1 OLED display
- 2 Programming buttons
- 3 LEDs



Product characteristics		
Housing		rectangular
Dimensions	[mm]	78 x 45 x 124.7
Application		
Design		housing for DIN rail mounting
Application		pulse evaluation system with microprocessor for frequency; rotational speed; speed; pulses and machine cycles
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]	3
Auxiliary energy for sensors DC	[V]	19.6...27.7; (SELV, ≤ 150 mA)
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 2; Number of relay outputs: 2
Outputs		
Number of digital outputs		2
Number of relay outputs		2
Contact rating		6 A (250 V AC, 30 V DC); B300, R300; (resistive load)
Measuring/setting range		
Setting range Hz	[Hz]	0.1...1000
Setting range	[Imp/min]	1...60000
Operating conditions		
Ambient temperature	[°C]	-40...60

DD2505



Evaluation unit for speed monitoring

MONITOR/FR-2 /110-240VAC/DC

Storage temperature	[°C]	-40...85
Max. relative air humidity	[%]	80; (40 °C: 50 %)
Protection		IP 50
Protection rating terminals		IP 20
Degree of soiling		2

Tests / approvals

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

Mechanical data

Weight	[g]	381
Housing		rectangular
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	78 x 45 x 124.7
Material		housing: plastics

Displays / operating elements

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

Remarks

Remarks	the device complies with overvoltage category II
Pack quantity	1 pcs.

Electrical connection

dual-chamber terminals: 2 x ...2.5 mm²; AWG 14

- | | |
|----|--------------------------------|
| 1 | DC Supply voltage (L-) |
| 2 | DC Supply voltage (L+) |
| 3 | Supply transistor outputs (L+) |
| 4 | sensor signal 1 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 1 npn |
| 11 | sensor signal 2 pnp |
| 12 | sensor signal 2 npn |
| 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 | not used |
| 23 | not used |
| 24 | transistor output 2 pnp |