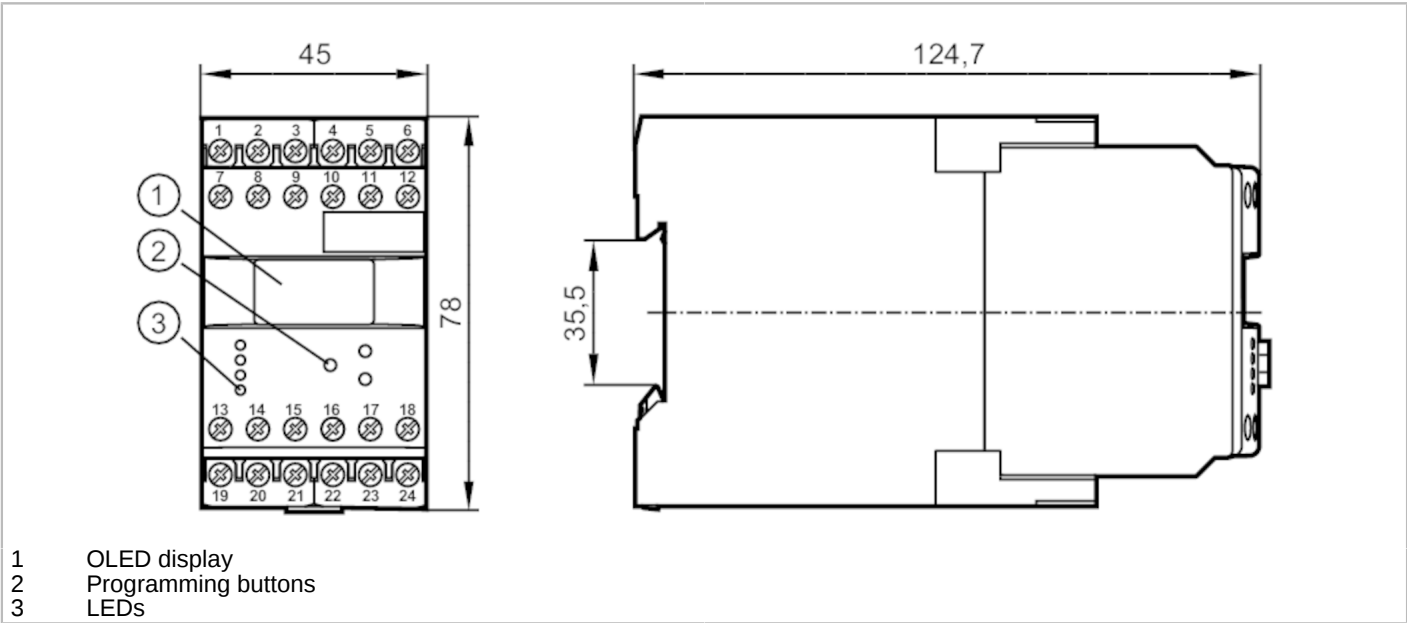


DD2503



Evaluation unit for speed monitoring

MONITOR/FR-1 /110-240VAC/DC



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, ≤ 15 mA)
Inputs / outputs		
Number of inputs and outputs		Number of analog outputs: 1; Number of relay outputs: 2
Outputs		
Number of relay outputs		2
Contact rating		6 A (250 V AC, 30 V DC); B300, R300; (resistive load)
Number of analog outputs		1
Analog current output	[mA]	4...20
Max. load	[Ω]	500; (Min. load: 20 [Ω])
Measuring/setting range		
Setting range Hz	[Hz]	0.1...1000



Evaluation unit for speed monitoring

MONITOR/FR-1 /110-240VAC/DC

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
Degree of soiling		2
Tests / approvals		
EMC	EN 61010	2011
	EMV 89/336/EWG	
	EN 61000-6-2	2005
	EN 61000-6-4	2007
MTTF	[years]	152
Mechanical data		
Weight	[g]	381.5
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.

**Evaluation unit for speed monitoring**

MONITOR/FR-1 /110-240VAC/DC

Electrical connectiondual-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 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