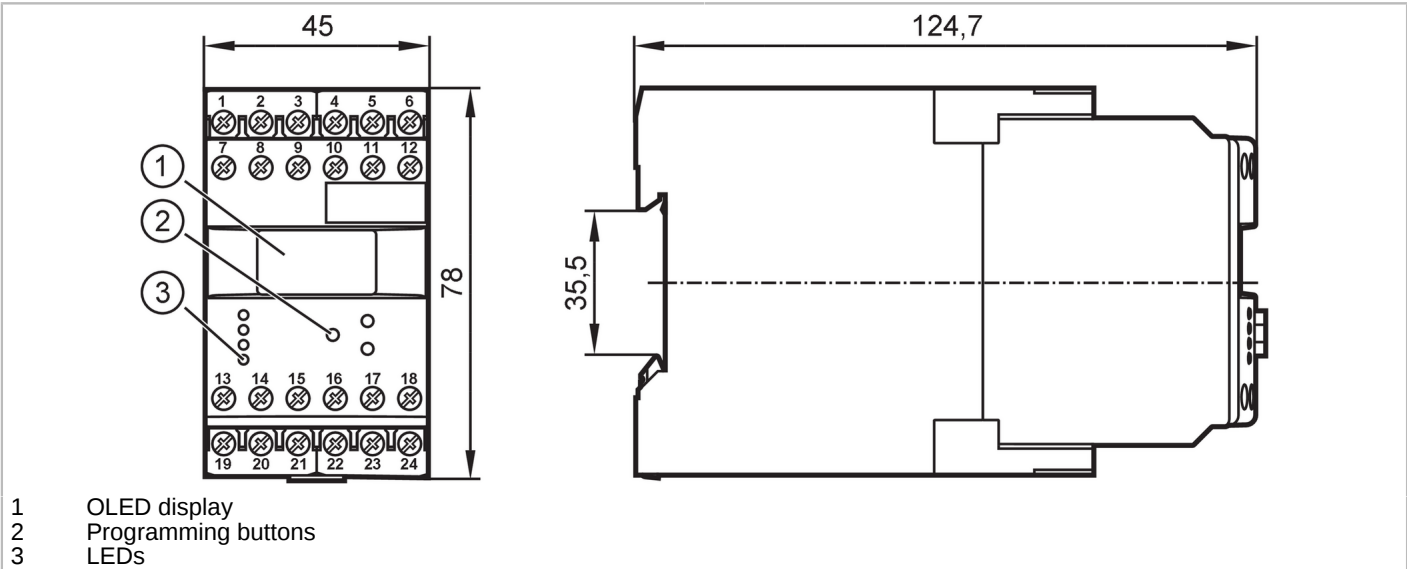


DR2503



Evaluation unit for direction and speed monitoring

MONITOR/FD-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 direction monitoring and frequency; rotational speed and speed

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 relay outputs: 2
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Outputs

Number of relay outputs	2
Contact rating	6 A (250 V AC, 30 V DC); B300, R300; (resistive load)

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
Pollution degree	2



Evaluation unit for direction and speed monitoring

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Tests / approvals		
EMC	EN 61010	2011
	EMV 89/336/EWG	
	EN 61000-6-2	2005
	EN 61000-6-4	2007
Mechanical data		
Weight	[g]	380.5
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.
Electrical connection		
dual-chamber terminals: 2 x ...2.5 mm ² ; 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	