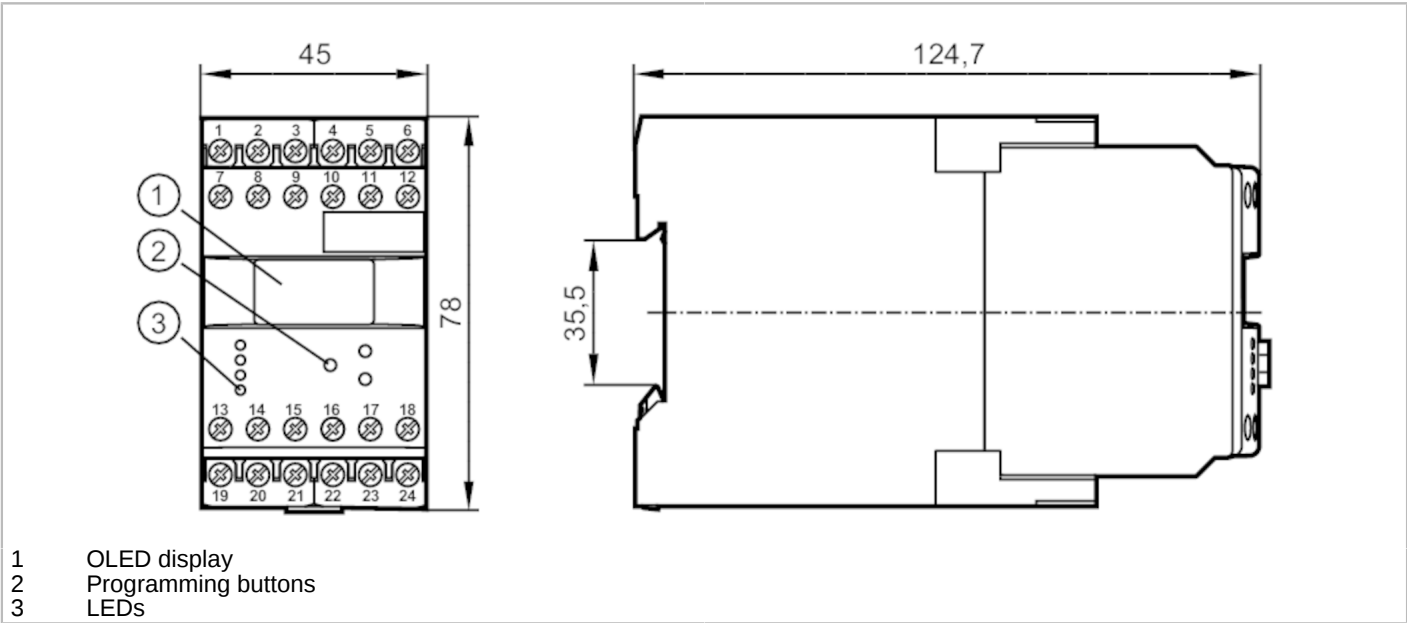


DR2503



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
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



Evaluation unit for direction and speed monitoring

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

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]	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 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	