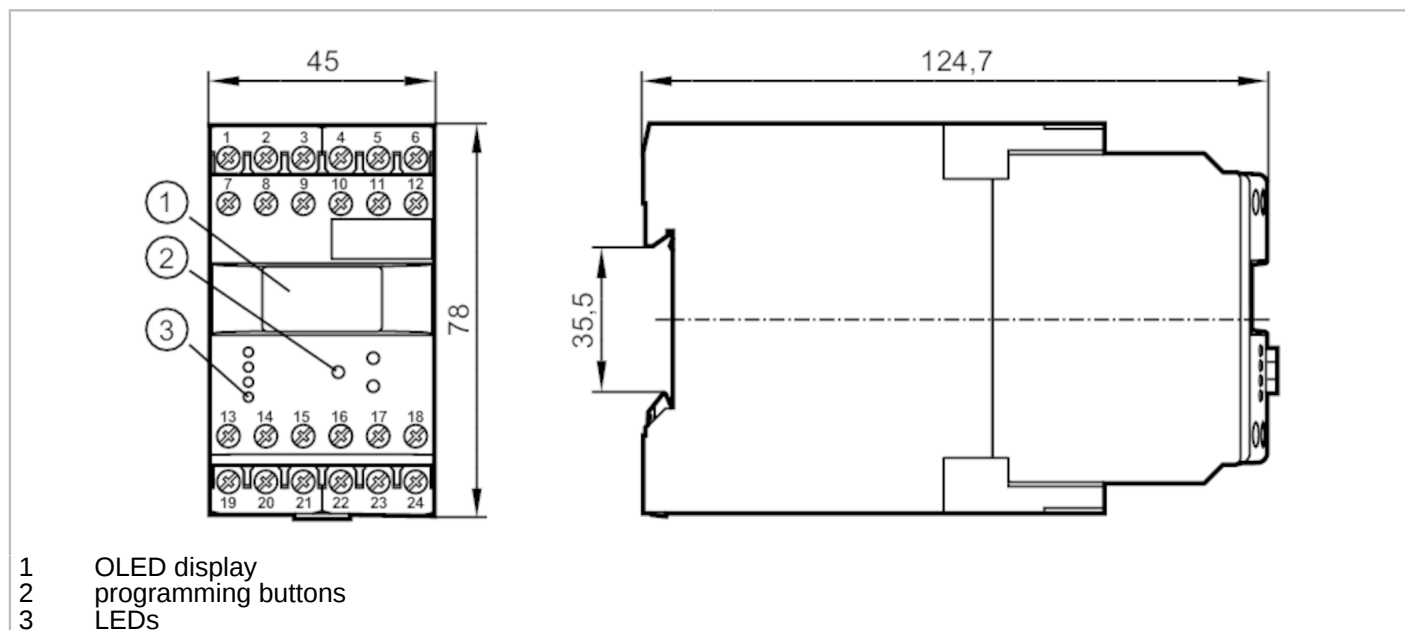




Programmable frequency-to-current converter

MONITOR/FA-1 /100-240VAC/DC



Application

Application conversion of pulse sequences into analogue standard signals

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
Auxiliary energy for sensors DC	[V]	19.6...27.7; (SELV, ≤ 150 mA)

Outputs

Number of relay outputs	1
Number of analogue outputs	1
Analogue current output	[mA] 4...20
Analogue voltage output	[V] 0...10

Detection zone

Sensing range adjustable no

Measuring/setting range

Setting range Hz	[Hz] 0...10000
Setting range	[Imp/min] 0...600000

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



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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]	361.6
Housing	housing for DIN rail mounting	
Dimensions	[mm]	78 x 45 x 124.7
Materials	plastics	
Displays / operating elements		
Display	switching status	LED, green
		OLED display, 128 x 64 luminous
Remarks		
Remarks	The unit complies with overvoltage category II; degree of soiling 2	
Electrical connection		
dual-chamber terminals: 2 x ...2.5 mm²; AWG 14		
1	24 V DC supply voltage (L-)	
2	24 V 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	reset pnp	
12	transistor output pnp	
13	relay common	
14	relay normally open	
15	relay normally closed	
16	not used	
17	not used	
18	not used	
19	not used	
20	not used	
21	not used	
22	analogue output (mA)	
23	analogue output (GND)	
24	analogue output (V)	