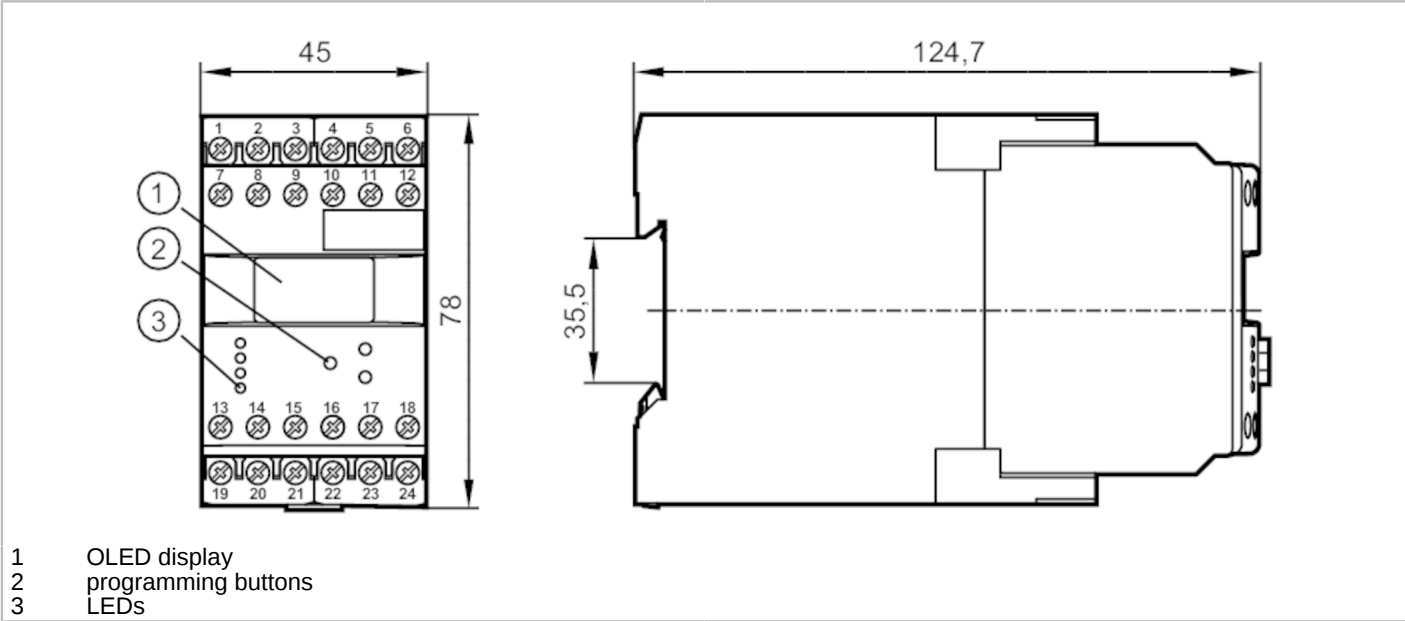




Programmable frequency-to-current converter

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

Please do not use for new projects.



Product characteristics		
Housing		housing for DIN rail mounting
Dimensions	[mm]	78 x 45 x 124.7
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
Max. power consumption	[VA]	8
Power consumption	[W]	5
Auxiliary energy for sensors DC	[V]	19.6...27.7; (SELV, ≤ 150 mA)
Inputs / outputs		
Number of inputs and outputs	Number of analogue outputs: 1; Number of relay outputs: 1	
Outputs		
Number of relay outputs	1	
Contact rating	6 A (250 V AC); B300, R300	
Number of analogue outputs	1	
Analogue current output	[mA]	4...20
Max. load	[Ω]	500
Analogue voltage output	[V]	0...10
Min. load resistance	[Ω]	10000



Programmable frequency-to-current converter

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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
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		housing for DIN rail mounting
Dimensions	[mm]	78 x 45 x 124.7
Materials		plastics
Displays / operating elements		
Display		OLED display, 128 x 64 pixels luminous
	switching status	LED, green
Remarks		
Remarks	The unit complies with overvoltage category II; pollution degree 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	current 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)	