DD2603

Evaluation unit for speed monitoring

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

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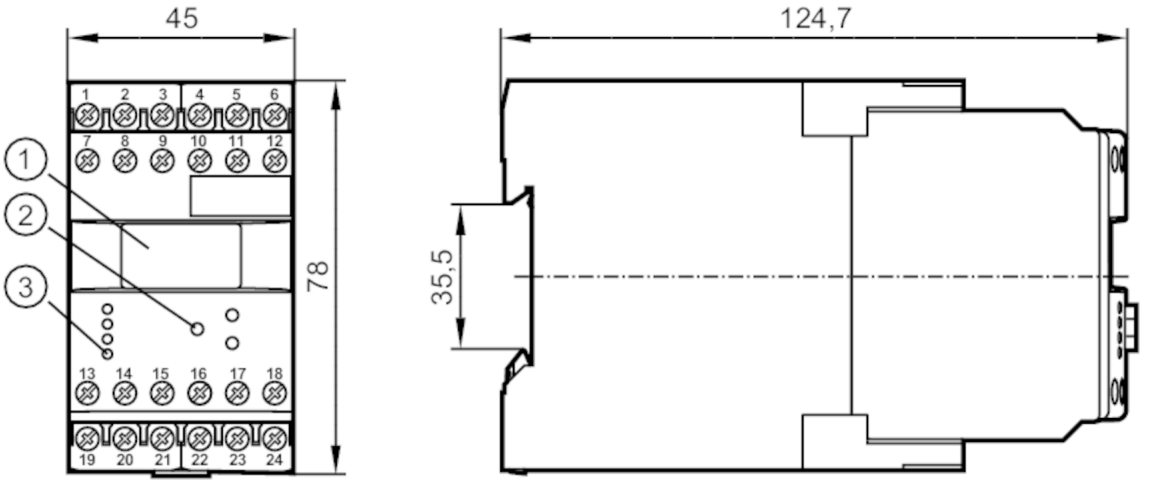

1 OLED display
2 Programming buttons
3 LEDs

Product characteristics		
Housing		housing for DIN rail mounting
Dimensions	[mm]	78 x 45 x 124.7
Application		
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]	8.2
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); B300, R300
Number of analog outputs		1
Analog current output	[mA]	4...20

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Max. load	[Ω]	500	
Measuring/setting range			
Setting range Hz	[Hz]	0.1...1000	
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	
Tests / approvals			
EMC		EN 61010	2011
		EMV 89/336/EWG	
		EN 61000-6-2	2005
		EN 61000-6-4	2007
Mechanical data			
Weight	[g]	386	
Housing		housing for DIN rail mounting	
Dimensions	[mm]	78 x 45 x 124.7	
Material		plastics	
Displays / operating elements			
Display			OLED display, 128 x 64 pixels luminous
		Switching status	LED, green
Remarks			
Remarks		overvoltage category II; pollution degree 2	

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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	error output pnp
5	8.2 V DC Sensor supply (L-)
6	8.2 V DC Sensor supply (L+)
7	AC Supply voltage (L)
8	AC Supply voltage (N)
9	not used
10	stepping output sensor signal
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