

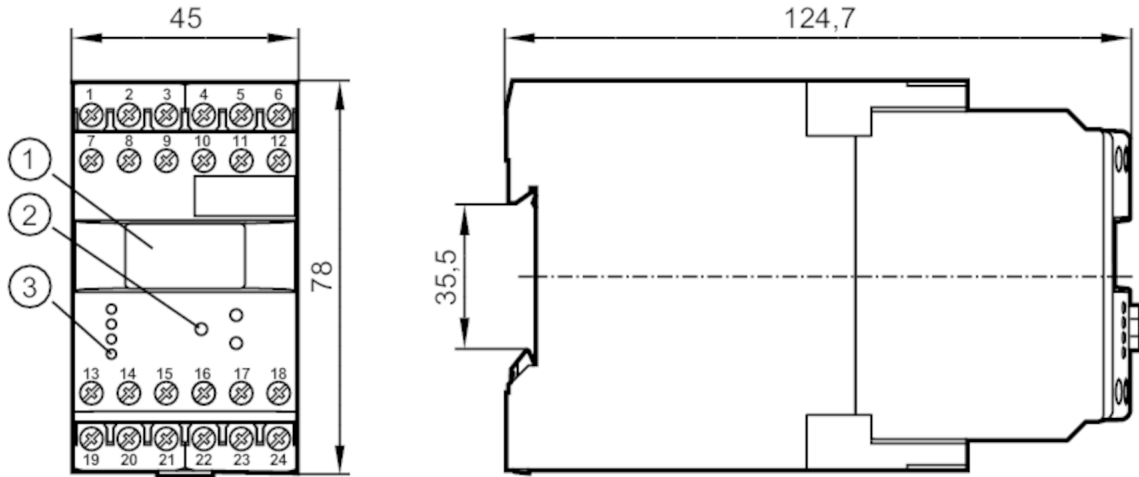
# DW2503



## Programmable frequency-to-current converter

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

Please do not use for new projects.



- 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	Conversion of pulse sequences into analog standard signals
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### 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 analog outputs: 1; Number of relay outputs: 1
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### Outputs

Number of relay outputs	1
Contact rating	6 A (250 V AC); B300, R300
Number of analog outputs	1
Analog current output [mA]	4...20
Max. load [Ω]	500
Analog voltage output [V]	0...10
Min. load resistance [Ω]	10000

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

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
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
Electrical connection		
dual-chamber terminals: 2 x ...2.5 mm <sup>2</sup> ; 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	analog output (mA)	
23	analog output (GND)	
24	analog output (V)	