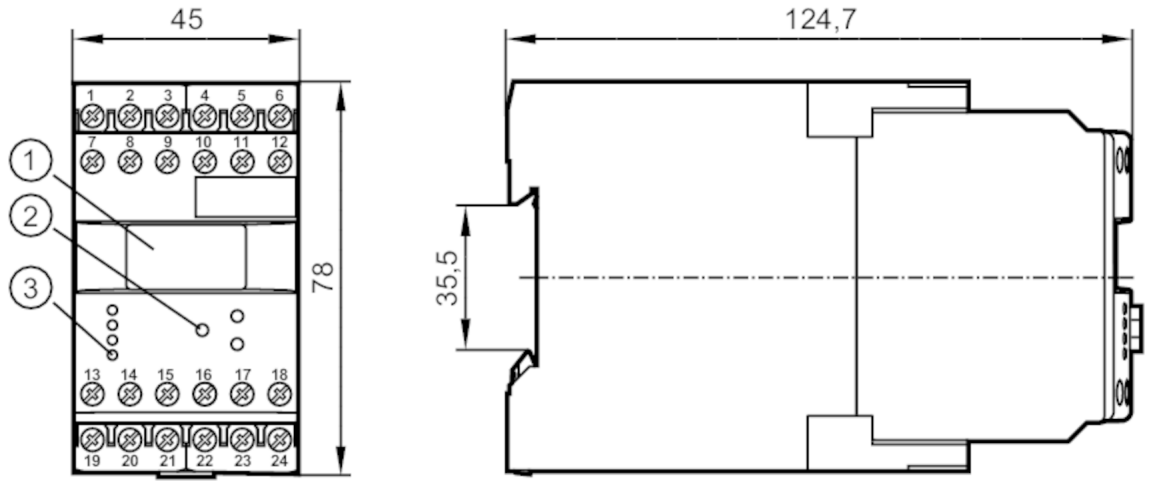
DW2503

Programmable frequency-to-current converter

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



1 OLED display
2 programming buttons
3 LEDs

Made in Germany

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
Range		
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)