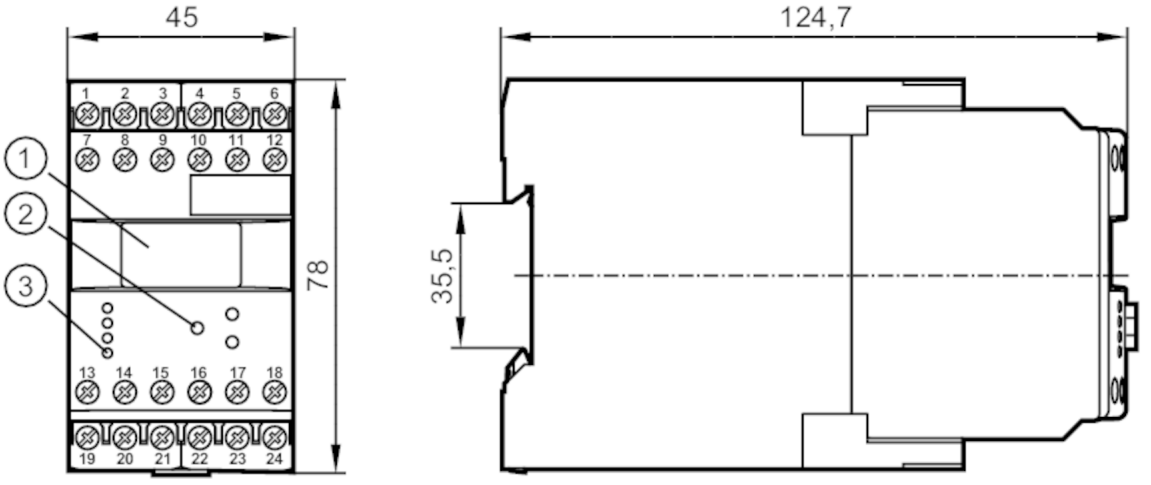
DS2505

Evaluation unit for slip and synchronous monitoring

MONITOR/FS-2 /110-240VAC/DC



1 OLED display
2 programming buttons
3 LEDs

Product characteristics		
Dimensions	[mm]	78 x 45 x 124.7
Application		
Application		pulse evaluation system with microprocessor for slip and synchronous monitoring; evaluation of pulse differences
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]	19.6...27.7; (SELV, ≤ 150 mA)
Inputs / outputs		
Number of inputs and outputs		Number of relay outputs: 2
Outputs		
Number of relay outputs		2
Contact rating		6 A (250 V AC); B300, R300
Measuring/setting range		
Measuring range	[Hz]	0.1...400
Operating conditions		
Ambient temperature	[°C]	-40...60
Storage temperature	[°C]	-40...85
Max. relative air humidity	[%]	80; (40 °C: 50 %)
Protection		IP 50

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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]	377.5	
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	DC supply voltage (L-)
2	DC supply voltage (L+)
3	current supply transistor outputs (L+)
4	sensor signal 1 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 1 npn
11	sensor signal 2 pnp
12	sensor signal 2 npn
13	relay 1 common
14	relay 1 normally open
15	relay 1 normally closed
16	transistor output 1 pnp
17	release 1/2 pnp
18	reset 1/2 pnp
19	relay 2 common
20	relay 2 normally open
21	relay 2 normally closed
22	not used
23	not used
24	transistor output 2 pnp