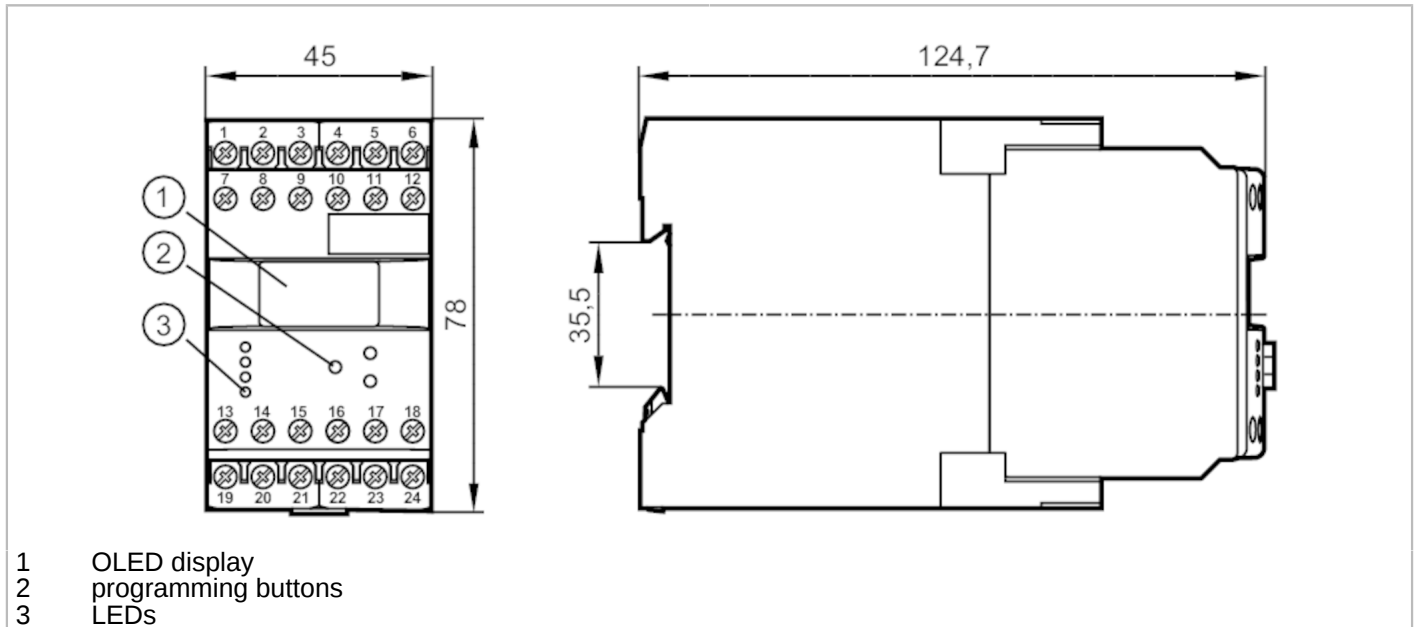


# DS2603



## Evaluation unit for slip and synchronous monitoring

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



- 1 OLED display
- 2 programming buttons
- 3 LEDs



### Application

Application	pulse evaluation system with microprocessor for slip and synchronous monitoring as well as frequency and rotational speed
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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
Power consumption	[W]	3
Auxiliary energy for sensors DC	[V]	8.2

### Outputs

Number of relay outputs	2
Contact rating	6 A (250 V AC); B300, R300

### Detection zone

Sensing range adjustable	no
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### 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



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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]	368.2	
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 mm <sup>2</sup> ; AWG 14		

1	DC supply voltage (L-)
2	DC supply voltage (L+)
3	supply transistor outputs (L+)
4	error output 1
5	8.2 V DC Sensor supply 1 (L-)
6	8.2 V DC Sensor supply 1 (L+)
7	AC supply voltage (L)
8	AC supply voltage (N)
9	not used
10	error output 2
11	8.2 V DC Sensor supply 2 (L-)
12	8.2 V DC Sensor supply 2 (L+)
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	not used
23	not used
24	transistor output 2 pnp