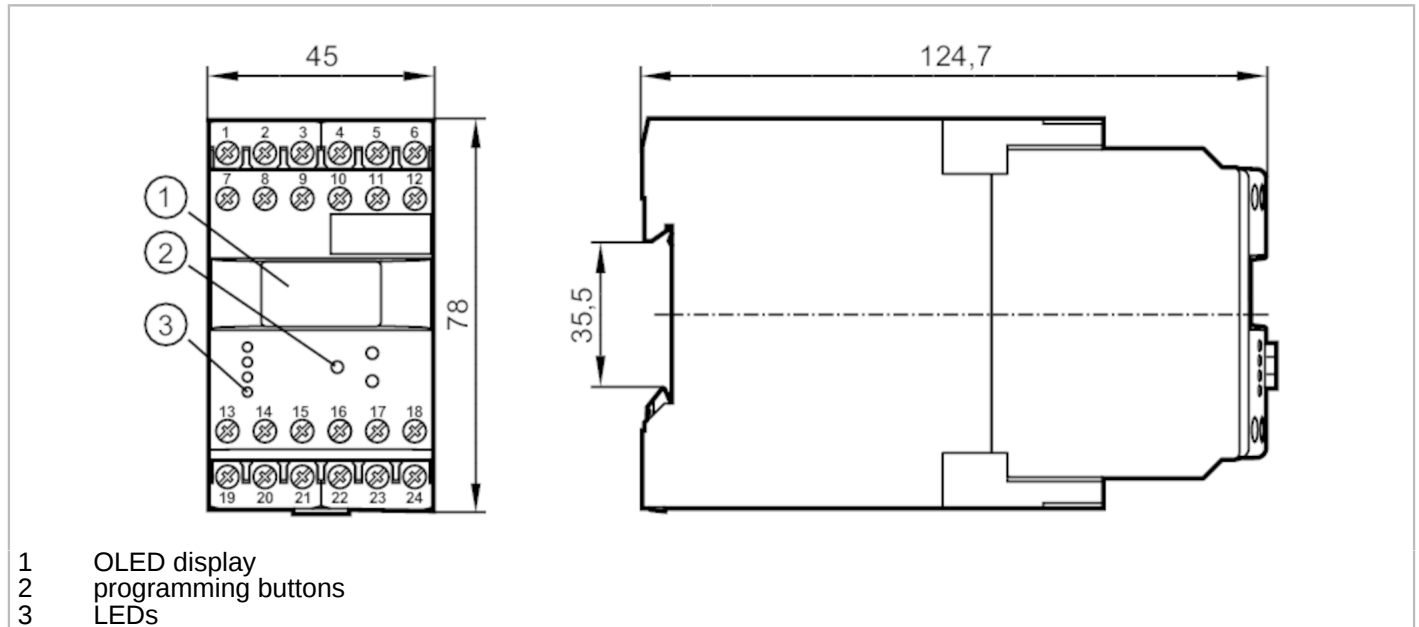


Evaluation unit for slip and synchronous monitoring

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



Application

Application	pulse evaluation system with microprocessor for slip and synchronous monitoring; evaluation of pulse differences
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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



Evaluation unit for slip and synchronous monitoring

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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]	361.2
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	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	stepping output 1	
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	stepping output 2	