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No scale drawing available



Product characteristics

Housing housing for DIN rail mounting

Application

Application pulse evaluation system with microprocessor for frequency; rotational speed; speed; pulses and machine cycles

Electrical data

Nominal voltage AC	[V]	< 230
Nominal voltage DC	[V]	24
Nominal voltage tolerance	[%]	10
Nominal voltage tolerance 2	[%]	10
Nominal frequency AC	[Hz]	50...60
Power consumption	[W]	3

Inputs / outputs

Number of inputs and outputs Number of analog outputs: 1; Number of relay outputs: 2

Outputs

Number of relay outputs		2
Contact rating		8 A (1250 VA / 250 V AC)
Number of analog outputs		1
Analog current output	[mA]	4...20
Max. load	[Ω]	500

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MONITOR/FR-1 /230VAC

Measuring/setting range		
Setting range Hz	[Hz]	0.1...1000
Setting range	[Imp/min]	1...60000
Operating conditions		
Ambient temperature	[°C]	-20...60
Storage temperature	[°C]	-25...80
Max. relative air humidity	[%]	75
Protection		IP 50
Protection rating terminals		IP 20
Tests / approvals		
EMC	EN 61010	: 2001
	EMV 89/336/EWG	
	EN 61000-6-3	: 2007
	EN 61000-6-2	: 2005
Mechanical data		
Weight	[g]	0.365
Housing		housing for DIN rail mounting
Material		plastics
Displays / operating elements		
Display	Switching status	LED, green
		LCD display
Remarks		
Remarks		overvoltage category II; degree of soiling 2

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Electrical connection

dual-chamber terminals: 2 x ...2.5 mm²

1	DC Supply voltage (L-)
2	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
8	AC Supply voltage
9	not used
10	sensor signal npn
11	not used
12	not used
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	analog output (+)
23	analog output (-)
24	transistor output 2 pnp