

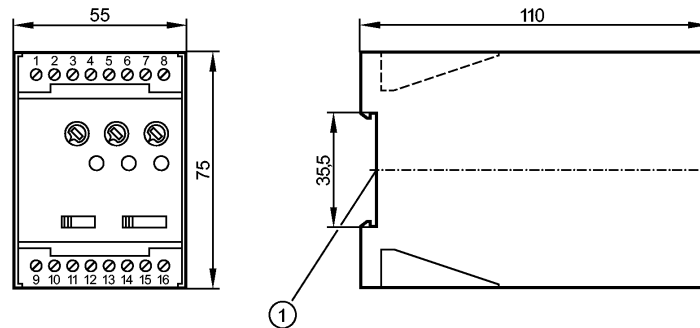
DD0001

D100/230VAC

Evaluation systems, power supplies

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1: Mounting on DIN rail



Product characteristics

Speed monitor

D100

Housing for DIN rail mounting

Application

Application	evaluation of pulse sequences with regard to overspeed and underspeed; rotational speed monitoring
Switching function	F1-F4, with 4-step slide switch
Switching output	relay (1 changeover contact)

Electrical data

Nominal voltage	[V]	230 AC (50...60 Hz) / 24 DC
Voltage tolerance	[%]	± 10
Sensor supply	[V]	24 DC (max. 30mA)

Inputs

Digital	1
Input frequency (max.) [pulses/min]	15000 (250 Hz)

Outputs

Relay	1
Relay	1
Contact rating	8 A / 1250 VA / 250 V AC

Measuring / setting range

Setting range	[pulses/min.]	5...5000
Adjustment of the switch point		3 ranges preselectable, fine adjustment with potentiometer
Hysteresis	[% of Sp]	5...100
Start-up delay	[s]	0.5...15

Accuracy / deviations

Repeatability	[% / Sp]	1
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Environment

Ambient temperature	[°C]	-20...70
Protection housing / terminals		IP 40 / IP 20

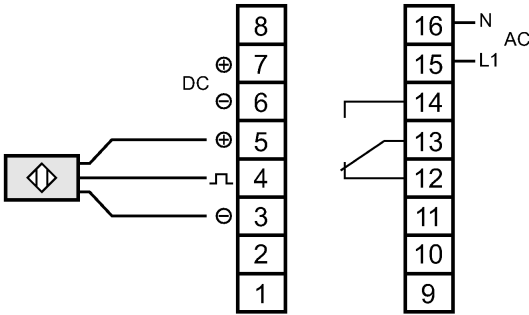
Safety classification

MTTF	[a]	468
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Mechanical data	
Housing materials	plastics
Weight [kg]	0.42
Displays / operating elements	
Operation LED	green
Input pulses LED	yellow
Output status indication LED	green (lights when the output relay is energised)
Electrical connection	
Connection	16 terminals...2.5 mm ²
Wiring	
01: n.c.	
02: n.c.	
03: DC Sensor supply (-)	
04: sensor signal pnp	
05: DC Sensor supply (+)	
06: DC Supply voltage (-)	
07: DC Supply voltage (+)	
08: n.c.	
09: n.c.	
10: n.c.	
11: n.c.	
12: Relay (normally closed)	
13: Relay (common)	
14: Relay (normally open)	
15: AC Supply voltage (L)	
16: AC Supply voltage (N)	
	n.c. = not connected
	
Remarks	
Pack quantity [piece]	1

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