

# Totalizers electromechanic

## Impulse counters adding, spring clip

### Display 5- or 7-digits, with/without reset button

F 523



F 523 - Front panel with spring clip

#### Features

- Small impulse counter
- Adding
- Display 5- or 7-digits
- With or without reset button
- Front panel with spring clip

#### Technical data - electrical ratings

Voltage supply	24/110 VAC $\pm 10\%$ (50/60 Hz) 230 VAC $+6/-10\%$ (50/60 Hz) 12/24 VDC $\pm 10\%$
Residual ripple	<48 %
Nominal frequency	50 / 60 Hz
Power consumption	1.8 W, 2 VA
Pulse ratio	1:1
Service life	10 million impulses
Standard DIN EN 61010-1	Protection class II Overvoltage category II Pollution degree 2
Emitted interference	DIN EN 61000-6-4
Interference immunity	DIN EN 61000-6-2

#### Technical data - mechanical design

Display	White numbers on black
Number of digits	5-digits with reset button 7-digits without reset button
Digit height	4 mm
Count mode	1 impulse = 1 count
Step-by-step switching	Adding in 2 half steps
Measuring range	99 999 and 9 999 999
Zero setting	Manual by reset button
Ambient temperature	0...+45 °C
Storage temperature	-20...+70 °C
Relative humidity	80 % non-condensing
Protection DIN EN 60529	IP 41
Housing type	Built-in housing
Connection	Stranded wires, 300 mm long
Mounting type	Front panel with spring clips
Dimensions W x H x L	42 x 28 x 43 mm
Cutout dimensions	37 x 23 mm
Mounting depth	43 mm
Weight approx.	50 g
Material	Housing: Noryl PPO, black

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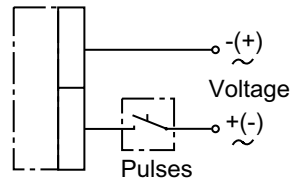
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### Display 5- or 7-digits, with/without reset button

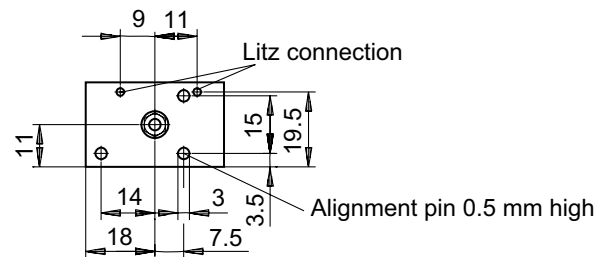
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Trigger level		
Features	Voltage DC	Voltage AC
Max. counting speed	10 pulses/s	5 pulses/s
Power	1.8 W	2 VA
Min. pulse duration	50 ms	100 ms
Min. pulse interval	50 ms	100 ms
Switch on time (at 25 °C)	100 %	100 %

#### Connection diagram



Back opinion



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## Part number

F 523.

Display

- C 7-digits 9 999 999 without reset button
- A 5-digits 99 999

Voltage / connection

- A2 12 VDC / Stranded wire 300 mm
- A3 24 VDC / Standard wire 300 mm
- A5 24 VAC / Standard wire 300 mm
- A8 110 VAC / Stranded wire 300 mm
- A9 230 VAC / Stranded wire 300 mm

Zero setting

- 030B Without reset button
- 010A With reset button

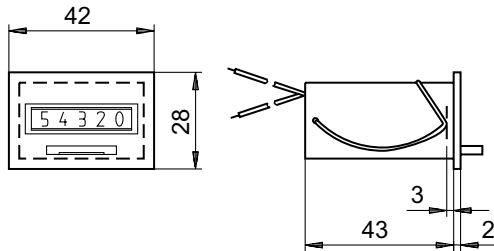
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## Dimensions

F 523 with reset button, 5-digits



F 523 without reset button, 7-digits

