

# Totalizers electromechanic

## Impulse counters adding, spring clip

### Display 6- or 8-digits, with/without reset button

F 524



F 524 - Front panel with spring clips mount

#### Features

- Impulse counter
- Adding
- Display 6- or 8-digits
- With or without reset button / key reset
- Front panel with spring clips mount

#### Technical data - electrical ratings

Voltage supply	24/110 VAC $\pm 10\%$ (50/60 Hz) 230 VAC $+6/-10\%$ (50/60 Hz) 24 VDC $\pm 10\%$
Residual ripple	<48 %
Nominal frequency	50 / 60 Hz
Power consumption	2 W, 3 VA
Pulse ratio	1:1
Service life	VDC - 100 million impulses VAC - 50 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	6-digits with/without reset button 8-digits without reset button
Digit height	4.5 mm
Count mode	1 impulse = 1 count
Step-by-step switching	Adding in 2 half steps
Measuring range	999 999 and 99 999 999
Zero setting	Manual by reset button or detachable key
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	Soldering pins (flat)
Mounting type	Front panel with spring clips
Dimensions W x H x L	53.2 x 28.2 x 61.3 mm
Cutout dimensions	51 x 26 mm
Mounting depth	77.8 mm
Weight approx.	100 g
Material	Housing: Noryl PPO, black

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## Trigger level

### Max. counting speed 10 pulses/s

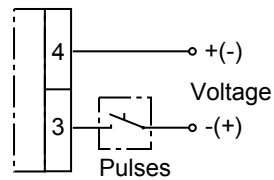
Voltage	24/110 VAC $\pm 10$ % 230 VAC +6/-10 %
Power	3 VA
Min. pulse duration	50 ms
Min. pulse interval	50 ms
Switch on time (at 25 °C)	100 %

### Max. counting speed 20 pulses/s

Voltage	24 VDC $\pm 10$ %
Power	2 W
Min. pulse duration	25 ms
Min. pulse interval	25 ms
Switch on time (at 25 °C)	100 %

## Connection diagram

Standard connection



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### Part number

F 524.

Display

B 6-digits 999 999

C 8-digits 99 999 999

Voltage / connection

A3 24 VDC / Standard connection

A5 24 VAC / Standard connection

A8 110 VAC / Standard connection

A9 230 VAC / Standard connection

Zero setting

640D With detachable key, 6-digits

650D With reset button, 6-digits

600E Without reset button, 6-digits

800F Without reset button, 8-digits

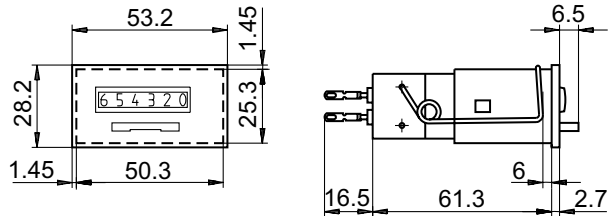
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## Dimensions

F 524 with reset button, 6-digits



F 524 without reset button, 6- / 8-digits

