

# Totalizers electromechanic

## Impulse counters adding, socket housing

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

F 504



F 504 - Socket box

#### Features

- Impulse counter
- Adding
- Display 6- or 8-digits
- With or without reset button / key reset
- Socket box

#### 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	Socket box
Connection	Soldering pins (flat)
Mounting type	Socket box
Dimensions W x H x L	50 x 25 x 85.8 mm
Cutout dimensions	50 x 25 mm
Mounting depth	85.8 mm
Weight approx.	100 g
Material	Housing: Noryl PPO, black

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#### Trigger level

##### Max. counting speed 10 pulses/s

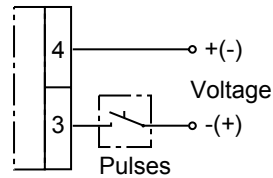
Voltage	24/110 VAC ±10 % 230 VAC +6/-10 %
Power	3 VA
Min. pulse duration	50 ms
Min. pulse interval	50 ms
Switch on time (at 25 °C)	100 %

##### Max. counting speed 20 pulses/s

Voltage	24 VDC ±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



#### Accessories

##### Front panels

10130194	Front panel with transparent protective cover, for socket box 50 x 25 mm (Z 100.01A)
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##### Front frames

11034056	Front frame with cylinder lock provided on transparent cover (Z 105.02A)
10124289	Front frame, insertion cutout 50 x 25 mm (Z 107.01A)

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### Part number

F 504.

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

650D With reset button

800F Without reset button

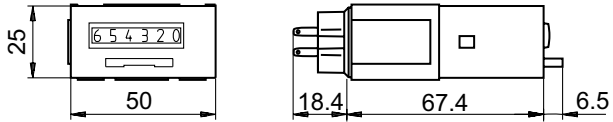
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## Dimensions

F 504 with reset button, 6-digits



F 504 without reset button, 6- / 8-digits

