

Totalizers electromechanic

Impulse counters adding, screw mount

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

F 314



F 314 - Front panel with screw mount

Features

- Impulse counter
- Adding
- Display 6- or 8-digits
- With or without reset button
- Front panel with screw 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	2.2 W, 2.4 VA
Pulse ratio	1:1
Service life	100 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 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
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 2 screws
Dimensions W x H x L	60 x 50 x 61 mm
Cutout dimensions	51 x 26 mm
Mounting depth	77.5 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 %
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Power	2.4 VA
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Min. pulse duration	50 ms
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Min. pulse interval	50 ms
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Switch on time (at 25 °C)	100 %
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Max. counting speed 20 pulses/s

Voltage	24 VDC ±10 %
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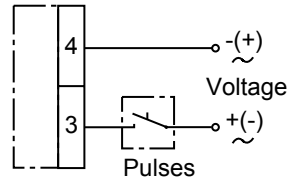
Power	2.2 W
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Min. pulse duration	25 ms
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Min. pulse interval	25 ms
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Switch on time (at 25 °C)	100 %
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Connection diagram



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Part number

F 314.

		<u>Display</u>
	C	8-digits 99 999 999
	B	6-digits 999 999
		<u>Voltage</u>
	A3	24 VDC
	A5	24 VAC
	A8	110 VAC
	A9	230 VAC
		<u>Zero setting</u>
800B		Without reset button
650A		With reset button

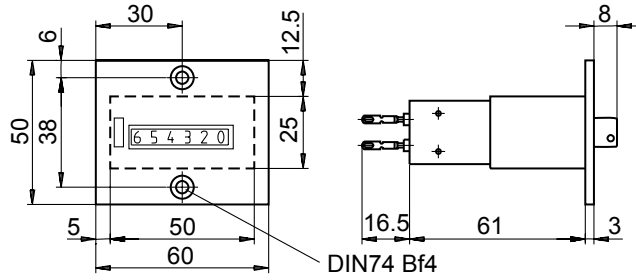
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Dimensions

F 314 with reset button, 6-digits



F 314 without reset button, 8-digits

