

Preset counters electromechanic

1 preset, adding

Display 5-digits, manual reset button

FE304, FE314, FE324



FE304 - socket box



FE314 - front panel with screw mount



FE324 - front panel with spring clip mount

Features

- Preset counter with one preset
- Adding
- Display 5-digits
- With reset button

Technical data - electrical ratings

Voltage supply	24/110 VAC $\pm 10\%$ (50/60 Hz) 230 VAC $+6/-10\%$ (50/60 Hz) 24 VDC $\pm 10\%$
Ripple residue	<48 %
Nominal frequency	50 / 60 Hz
Pulse ratio	1:1
Service life	100 million impulses
Preset	1 preset
Output contact	Change-over contact by micro-switch, one-pole
Switching capacity	100 VA / 30 W
Limit switch service life	1 million switching cycles
Spark extinguisher	Recommended for inductive load
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

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Technical data - mechanical design

Display	White numbers on black
Number of digits	5 digits
Digit height	4.5 mm (position value) 3.5 mm (preset)
Count mode	1 impulse = 1 count
Step-by-step switching	Adding in 2 half steps
Measuring range	99 999
Reset	Manual by reset button
Ambient temperature	0...+45 °C
Storing temperature	-20...+70 °C
Relative humidity	80 % non-condensing
Protection DIN EN 60529	IP 41
Connection	Soldering pins (flat)
Weight approx.	150 g
Material	Housing: Noryl PPO, black

FE304

Housing type	Socket box
Mounting	Socket box
Dimensions W x H x L	50 x 50 x 85.9 mm
Cutout dimensions	50 x 50 mm
Installation depth	85.9 mm

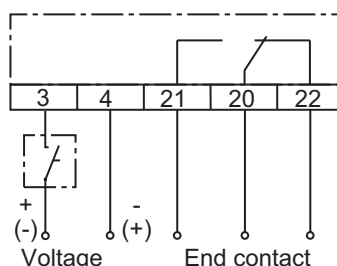
FE314

Housing type	Built-in housing
Mounting	Front panel with 2 screws
Dimensions W x H x L	60 x 75 x 61 mm
Cutout dimensions	51 x 51 mm
Installation depth	77.5 mm

FE324

Housing type	Built-in housing
Mounting	Front panel with spring clips
Dimensions W x H x L	53.2 x 53.2 x 61 mm
Cutout dimensions	51 x 51 mm
Installation depth	77.5 mm

Connection diagram



Trigger level

Max. counting speed 10 pulses/s

Voltage	24/110 VAC ±10 % 230 VAC +6/-10 %
Power	2.4 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	2.2 W
Min. pulse duration	25 ms
Min. pulse interval	25 ms
Switch on time (at 25 °C)	100 %

Accessories

Front panels for FE304

Z 100.02A	Front panel with transparent protective cover, for socket box 50 x 50 mm
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Front frames for FE304

Z 102.01A	Front frame with knob lock provided on transparent cover
Z 102.02A	Front frame with cylinder lock provided on transparent cover
Z 107.02A	Front frame, insertion cutout 50 x 50 mm

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Part number								
Socket box		Front panel with screw mount						
FE304.	<table><tr><td>550A</td><td></td><td>B</td></tr></table>	550A		B	FE314. <table><tr><td>550A</td><td></td><td>B</td></tr></table>	550A		B
550A		B						
550A		B						
	Display B 5 digits 99999	Display B 5 digits 99999						
	Voltage	Voltage						
	A3 24 VDC	A3 24 VDC						
	A5 24 VAC	A5 24 VAC						
	A8 110 VAC	A8 110 VAC						
	A9 230 VAC	A9 230 VAC						
	Reset	Reset						
	550A With reset button	550A With reset button						
Front panel with spring clips mount								
FE324.	<table><tr><td>550A</td><td></td><td>B</td></tr></table>	550A		B				
550A		B						
	Display B 5 digits 99999							
	Voltage							
	A3 24 VDC							
	A5 24 VAC							
	A8 110 VAC							
	A9 230 VAC							
	Reset							
	550A With reset button							

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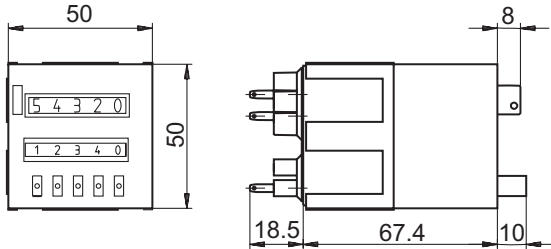
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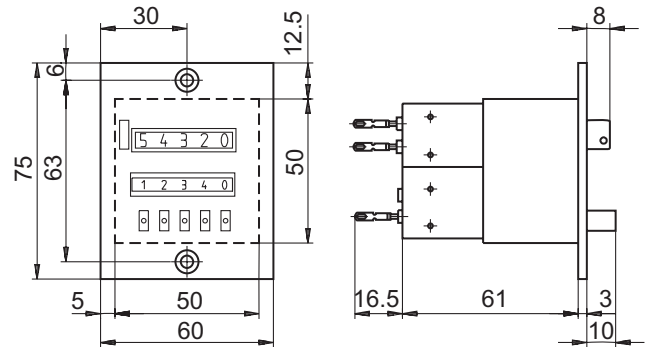
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Dimensions

FE304 - socket box



FE314 - front panel with 2 screws



FE324 - front panel with spring clip mount

