

Preset counters electromechanic

1 preset, adding

Display 6-digits, manual reset button

FE504, FE514, FE524



FE504 - socket box



FE514 - front panel with screw mount



FE524 - front panel with spring clip mount

Features

- Preset counter with one preset
- Adding
- Display 6-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 $\pm 10\%$
Residual ripple	<48 %
Nominal frequency	50 / 60 Hz
Pulse ratio	1:1
Service life	VDC - 100 million impulses VAC - 50 million impulses
Preset	1 preset
Output contact	Change-over contact by micro-switch, one-pole
Switching capacity	100 VA / 30 W
Limit switch lifetime	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	6-digits
Digit height	4.5 mm
Count mode	1 impulse = 1 count
Step-by-step switching	Adding in 2 half steps
Measuring range	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
Connection	Soldering pins (flat)
Weight approx.	160 g
Material	Housing: Noryl PPO, black

FE504

Housing type	Socket box
Mounting type	Socket box
Dimensions W x H x L	50 x 50 x 88.1 mm
Cutout dimensions	50 x 50 mm
Mounting depth	88.3 mm

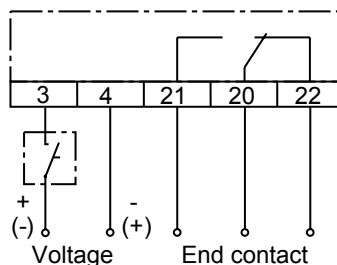
FE514

Housing type	Built-in housing
Mounting type	Front panel with 2 screws
Dimensions W x H x L	60 x 75 x 61.3 mm
Cutout dimensions	51 x 51 mm
Mounting depth	79.7 mm

FE524

Housing type	Built-in housing
Mounting type	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
Mounting depth	79.7 mm

Connection diagram



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 %

Accessories

Front panels for FE504

10125138	Front panel with transparent protective cover, for socket box 50 x 50 mm (Z 100.02A)
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Front frames for FE504

10124120	Front frame with knob lock provided on transparent cover (Z 102.01A)
11034050	Front frame with cylinder lock provided on transparent cover (Z 102.02A)
10125089	Front frame, insertion cutout 50 x 50 mm (Z 107.02A)

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Part number		
Socket box		
FE504.	650B	C
		<u>Display</u> C 6-digits 999 999
		<u>Voltage</u> B3 24 VDC B5 24 VAC B8 110 VAC B9 230 VAC
		<u>Zero setting</u> 650B With reset button
Front panel with screw mount		
FE514.	650A	C
		<u>Display</u> C 6-digits 999 999
		<u>Voltage</u> B3 24 VDC B5 24 VAC B8 110 VAC B9 230 VAC
		<u>Zero setting</u> 650A With reset button
Front panel with spring clips mount		
FE524.	650B	C
		<u>Display</u> C 6-digits 999 999
		<u>Voltage</u> B3 24 VDC B5 24 VAC B8 110 VAC B9 230 VAC
		<u>Zero setting</u> 650B With reset button

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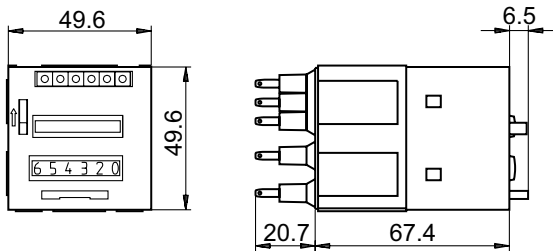
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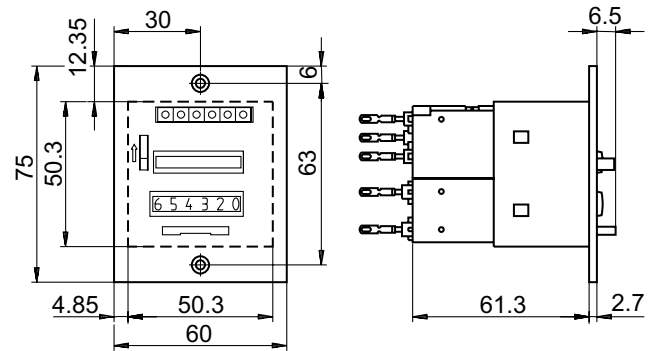
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Dimensions

FE504 - socket box



FE514 - front panel with 2 screws



FE524 - front panel with spring clip mount

