

Totalizers electromechanic

Impulse counters, screw mount

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

F 518



F 518

Features

- Impulse counter
- Adding
- Display 6- or 8-digits
- With or without reset button / key reset
- 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 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 |
| 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 2 screws |
| Dimensions W x H x L | 66.5 x 37 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 ± 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 |
|-------|-----|

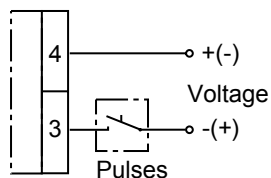
| | |
|---------------------|-------|
| Min. pulse duration | 25 ms |
|---------------------|-------|

| | |
|---------------------|-------|
| Min. pulse interval | 25 ms |
|---------------------|-------|

| | |
|---------------------------|-------|
| Switch on time (at 25 °C) | 100 % |
|---------------------------|-------|

Connection diagram

Standard connection



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Part number

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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

600B Without reset button, 6-digits

640A With detachable key, 6-digits

650A With reset button, 6-digits

800C Without reset button, 8-digits

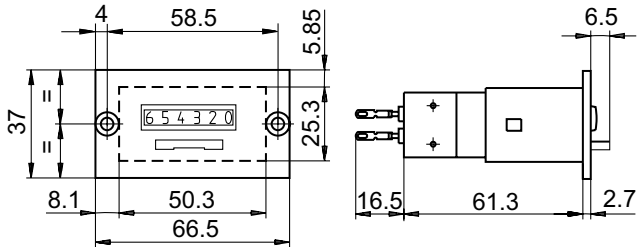
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Dimensions

F 518 with reset button, 6-digits



F 518 without reset button, 6- / 8-digits

