

Product datasheet

Specifications



impulse counter - LCD 8 digit display - 24x48 mm - up to 7000 Hz

RC87610340

⚠ Discontinued on: 1 Nov 2020

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Main

Range of product	Zelio Count
Product or component type	Totalising counter
Display type	LCD
Size	24 x 48 mm
Display digits	8 digit(s)
Counting frequency	Fast counting input 7000 Hz Slow counting input 40 Hz
Reset	NPN open collector ≥ 12 ms Manual on front panel Volt-free contact Transistor
Counting capacity	0...99 999 999

Complementary

Counting input type	Solid state
Current consumption	≤ 6 mA at 24 V DC fast counting input
Discrete output current	≤ 0.052 mA slow counting input
Voltage state 0 guaranteed	Fast counting input: 0...1 V DC
Voltage state 1 guaranteed	Fast counting input: 4...30 V DC
[Ures] residual voltage	0.4 V slow counting input
Maximum leakage current	Slow counting input < 2 mA in OFF state
Battery life	8 year(s) (1 lithium battery)
Damped oscillatory wave	1 kV, level 3 conforming to IEC 255-4
Material	Self-extinguishing
Mounting support	Panel mounting
fixing mode	By yoke
Connections - terminals	5 screw terminals (back of the device)
Clamping connection capacity	2 x 1.5 mm ²
Supply	Internal battery
reset time	12 ms
Discrete input type	NPN
Height	24 mm

Net weight	0.06 kg
Width	48 mm

Environment

Resistance to radiated fields	10 V/m, 26 MHz...1 GHz conforming to IEC 1000-4-3 level 3
Resistance to fast transients	1 kV level 3 conforming to IEC 1000-4-4
Resistance to electrostatic discharge	8 kV level 3 conforming to IEC 1000-4-2
Standards	VDE 0110 IEC 801-2 IEC 348 IEC 664 IEC 801-4 IEC 255-4 IEC 255-5
Product certifications	CSA cULus
IP degree of protection	IP64
Ambient air temperature for operation	0...55 °C
Ambient air temperature for storage	-25...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Packaging

EU RoHS Directive

[Compliant By Exemption](#)

Use Longer

Lifetime extension

Repair

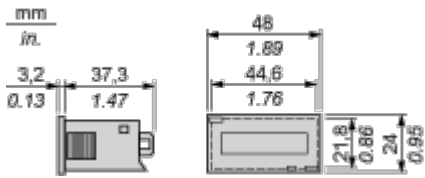
No

Dimensions Drawings

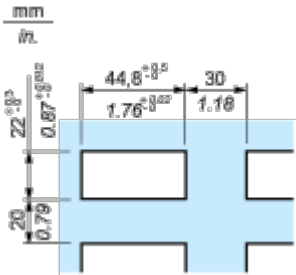
Electronic Totalizing Counters and Hour Counters/Chronometers

Dimensions

RC87610340, RC87610440



Panel Cut-out

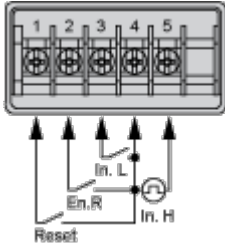


Connections and Schema

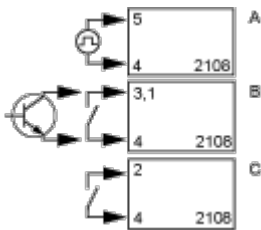
Terminals of Electronic Totalizing Counters and Hours Counters/Chronometers

Impulse Counter

RC87610340



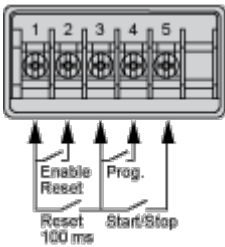
- 1: Reset input
- 2: Enable Reset
- 3: Slow counting
- 4: 0 V
- 5: Fast counting



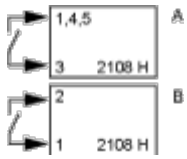
- 1: Reset input
- 2: Enable Reset
- 3: Slow counting
- 4: 0 V
- 5: Fast counting
- A: Fast counting input
- B: Slow counting input and reset
- C: Enable Reset input

Hour Counter/Chronometer

RC87610440



- 1: Reset input
- 2: Enable Reset
- 3: Common
- 4: Prog.
- 5: Start/Stop



- 1: Reset input
- 2: Enable Reset
- 3: Common
- 4: Prog.
- 5: Start/Stop
- A: Reset input, Prog., Start/Stop
- B: Enable Reset input