



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	Slow counting input ≤ 40 Hz Fast counting input ≤ 7000 Hz
Reset	Manual on front panel NPN open collector ≥ 12 ms Transistor Volt-free contact
Counting capacity	0...99 999 999

Complementary

Counting input type	Solid state
Current consumption	Fast counting input : ≤ 6 mA at 24 V DC
Discrete output current	Slow counting input : ≤ 0.052 mA
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	Slow counting input ≤ 0.4 V
Leakage current	Slow counting input ≤ 2 mA in OFF state
Battery life	8 yr (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 on back of the device
Clamping connection capacity	2 x 1.5 mm ²
Supply	Internal battery
Acquisition time	≥ 12 ms
Discrete input type	NPN
Height	24 mm
Product weight	0.06 kg
Width	48 mm

Environment

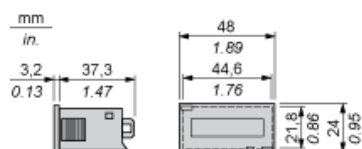
Resistance to radiated fields	10 V/m, 26 MHz...1 GHz conforming to IEC 1000-4-3 level 3
Resistance to fast transients	1 kV conforming to IEC 1000-4-4 level 3
Resistance to electrostatic discharge	8 kV conforming to IEC 1000-4-2 level 3
Standards	IEC 255-4 IEC 255-5 IEC 348 IEC 664 IEC 801-2 IEC 801-4 VDE 0110
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

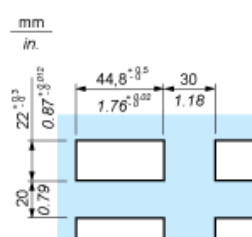
Electronic Totalizing Counters and Hour Counters/Chronometers

Dimensions

RC87610340, RC87610440



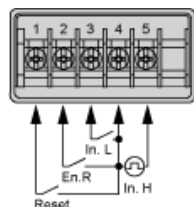
Panel Cut-out



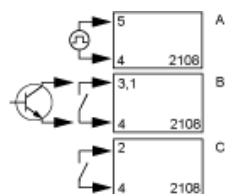
Terminals of Electronic Totalizing Counters and Hours Counters/Chronometers

Impulse Counter

RC87610340



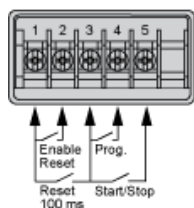
- 1: Reset input
- 2: Enable Reset
- 3: Slow counting
- 4: 0 V
- 5: Fast counting



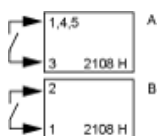
- 1: Reset input
- 2: Enable Reset
- 3: Slow counting
- 4: 0 V
- 5: Fast counting
- A: Fast counting input
- B: Slow counting input and reset
- C: Enable Reset input

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