

Product datasheet

Specifications



total/partial impulse counter - LCD 8 digit display - 24x48mm - 14 Hz

RC87610250

⚠ Discontinued on: Jan 29, 2021 AD

⚠ Discontinued

Main

Range of product	Zelio Count
Product or component type	Total/partial counter
Display type	LCD
Size	24 x 48 mm
Display digits	8 digit(s)
Counting frequency	14 Hz
Reset	Voltage Transistor Manual Volt-free contact
Counting capacity	0...99 999 999
Technology type	Electronic

Complementary

Counting input type	Voltage
Battery life	5 year(s) (1 lithium battery)
Minimum closing response time	40 ms reset
Material	Self-extinguishing
Mounting support	Panel mounting
fixing mode	By yoke
Connections - terminals	6 screw terminals (back of the device)
Clamping connection capacity	2 x 1.5 mm ²
Supply	Internal battery
Height	24 mm
Input voltage type	AC/DC AC
Net weight	0.065 kg
Width	48 mm

Environment

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Standards	IEC 664
	VDE 0110
	IEC 255-4
	IEC 48
	IEC 801-4
	IEC 801-2
	IEC 255-5
Product certifications	CSA
	cULus
IP degree of protection	IP66 (front panel)
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-20...70 °C

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 Substances

EU RoHS Directive

[Compliant By Exemption](#)

Use Longer



Lifetime extension

Repair

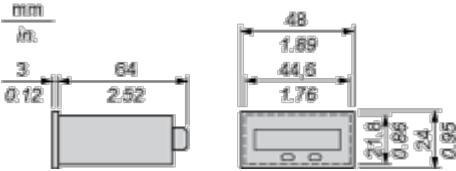
No

Dimensions Drawings

Electronic Total/Partial Impulse Counters

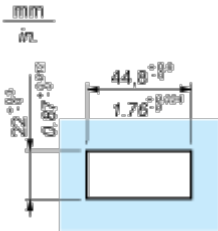
Dimensions

RC87610240, RC87610250

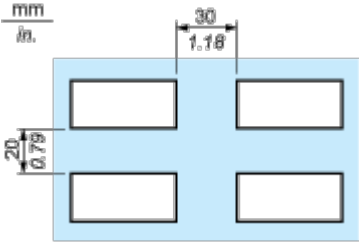


Panel Cut-out (Max. Thickness: 10 mm / 0.39 in.)

1 unit



4 units

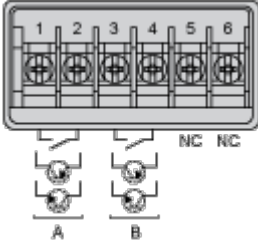


Connections and Schema

Terminals of Electronic Total/Partial Impulse Counters

Solid State Input

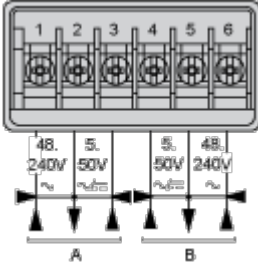
RC87610240



- 1: General reset input
- 2: General reset common
- 3: Count common
- 4: Counting
- 5: Not connected
- 6: Not connected
- A: General reset inputs
- B: Counting inputs

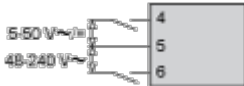
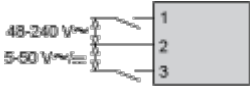
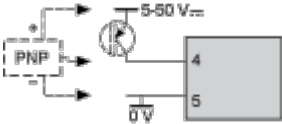
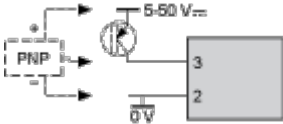
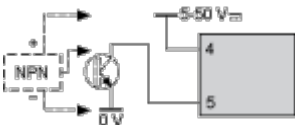
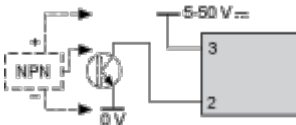
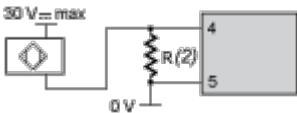
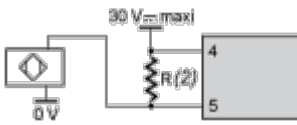
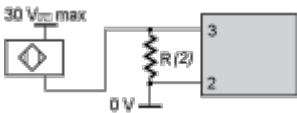
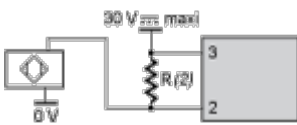
Voltage Input

RC87610250



- 1: Reset 48...240 Vac
- 2: General reset common
- 3: Reset 5...50 Vac/Vdc
- 4: 5...50 Vac/Vdc
- 5: Count common
- 6: 48...240 Vac
- A: General reset inputs
- B: Counting inputs

Wiring Diagrams

Description	 Counting Input: RC87610050, RC87610250 Start/Stop input: RC87610150	 Reset: RC87610050, RC87610150, RC87610250
Voltage		
Live contact		
NPN transistor or 3-wire NPN proximity sensor (1)		
PNP transistor or 3-wire PNP proximity sensor (1)		
2-wire proximity sensor	 	 
(1) For sensor with leakage current <= 0.1 mA (2) R = 470 Ohm / 2 Ohm for a 2-wire sensor with leakage current <= 1.5 mA		

