

Preset counters electronic

2 presets, serial interfaces

Large 14 mm display LED, 6-digits, programmable

NE214



NE214 - LED Preset counter

Features

- Preset counter with two presets
- Display 6-digits
- Batch counter, totalizer, hour counter
- Operating mode, start count, scaling factor, momentary signal time programmable
- Connection: Incremental encoder or digital sensors
- Batch counter with multiplier
- Preset mode programmable
- Interface RS232, RS422, RS485

Technical data - electrical ratings

Voltage supply	24/48 VAC $\pm 10\%$ (50/60 Hz) 115/230 VAC $\pm 10\%$ (50/60 Hz) 24 VDC $\pm 10\%$
Power consumption	7 VA, 5 W
Sensor supply	12...26 VDC / max. 100 mA
Display	LED, 7-segment display
Number of digits	6-digits
Digit height	14 mm
Function	Preset counter Main counter with 2 presets Batch counter with 1 preset Totalizer Hour counter
Scaling factor	0.0001...9999.99
Multplier / batch counter	1...999
Count modes	Adding or subtracting Difference counting A-B Total (parallel) A+B Up/Down A 90° B phase evaluation
Counting frequency	3 Hz, 25 Hz, 10 kHz programmable
Preset	2 presets
Operating modes	Step preset, Main preset, Parallel alignment, Trailing preset
Data memory	>10 years in EEPROM
Reset	Button, electric or automatic
Outputs electronic	Optocoupler
Outputs relay	Change-over contact, floating
Output holding time	0.01...99.99 s
Analog output	0(2)...10 V, 0(4)...20 mA
Interfaces	RS232, RS422, RS485

Technical data - electrical ratings

Standard	Protection class II
DIN EN 61010-1	Overvoltage category II
	Pollution degree 2
Emitted interference	DIN EN 61000-6-3
Interference immunity	DIN EN 61000-6-2
Programmable parameters	Operating modes Sensor logic Scaling factor Count mode Control inputs
Approval	UL approval / E63076

Technical data - mechanical design

Ambient temperature	0...+50 °C
Storage temperature	-20...+70 °C
Relative humidity	80 % non-condensing
Connection	Plug-in screw terminal connector
Core cross-section	1.5 mm ²
Protection DIN EN 60529	IP 65 (face with seal)
Operation / keypad	Membrane with softkeys
Housing type	Built-in housing
Dimensions W x H x L	96 x 48 x 124 mm
Mounting depth	124 mm
Mounting	Clip frame for built-in housing
Cutout dimensions	92 x 44 mm (-0.6)
Weight approx.	350 g (AC), 250 g (DC)
Materials	Housing: Makrolon 6485 (PC) Keypad: Polyester

