

# Totalizers electronic

## Large impulse counters and position displays

### Display LED, 6-digits, programmable

N 214



N 214 - Totalizer

#### Features

- Totalizer and position display
- Display 6-digits
- Set value, scaling factor, momentary signal duration and operating mode programmable
- Connection: Incremental encoder or digital sensors
- Interface RS232, RS422, RS485

#### Technical data - electrical ratings

Voltage supply	115/230 VAC $\pm 10\%$ (50/60 Hz) 24/48 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	Totalizer Difference counter A - B Parallel counter A + B Position display
Scaling factor	0.0001...9999.99
Count modes	Adding or subtracting A-B (difference counting) A+B total (parallel counting) Up/Down A 90° B phase evaluation
Counting frequency	3 Hz, 25 Hz, 10 kHz programmable
Measuring range	-99 999...+999 999
Data memory	>10 years in EEPROM
Reset	Button and electric
Keylock	Yes, electric (keylock)
Outputs electronic	Optocoupler
Outputs relay	Potential-free change-over contact
Output holding time	0.01...9.99 s
Interfaces	RS232, RS422, RS485
Standard DIN EN 61010-1	Protection class II Overvoltage category II Pollution degree 2
Emitted interference	DIN EN 61000-6-3
Interference immunity	DIN EN 61000-6-2

#### Technical data - electrical ratings

Programmable parameters	Decimal point Sensor logic, scaling factor Count mode, measuring units
Approval	UL approval / E63076

#### Technical data - mechanical design

Operating temperature	0...+50 °C
Storing temperature	-20...+70 °C
Relative humidity	80 % non-condensing
Connection	Plug-in screw terminals
Core cross-section	1.5 mm <sup>2</sup>
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
Installation depth	124 mm
Mounting	Clip frame
Cutout dimensions	92 x 45 mm (+0.6)
Materials	Housing: Makrolon 6485 (PC) Keypad: Polyester
Weight approx.	350 g (AC), 250 g (DC)

