

Preset counters electronic

2 presets, totalizer and batch counter

Display LED, 5-digits, programmable

NE216



NE216 - LED Preset counter

Features

- Preset counter with two presets
- Display 5-digits
- Totalizer, hour counter
- Operating mode, start count, scaling factor programmable
- Connection: Incremental encoder or digital sensors
- Step and trailing preset programmable
- Interface RS485

Technical data - electrical ratings

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|----------------------------|---|
| Voltage supply | 24/48 VAC $\pm 10\%$ (50/60 Hz) 85...265 VAC (50/60 Hz) 12...30 VDC |
| Power consumption | 5 VA, 5 W |
| Sensor supply | 24/48 VAC: 10-26 VDC/60 mA 85...265 VAC: 24 VDC $\pm 20\%$ /100 mA 12...30 VDC: 9-28 VDC/100 mA |
| Display | LED, 7-segment display |
| Number of digits | 5-digits |
| Digit height | 7.6 mm |
| Function | Preset counter, Main counter with 2 presets, Totalizer, Hour counter |
| Scaling factor | 0.0001...9999.99 |
| 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, Trailing preset, Time meter and hour counter |
| Data memory | >10 years in EEPROM |
| Reset | Button, electric or automatic |
| Outputs electronic | Optocoupler |
| Outputs relay | Normally open or closed, programmable |
| Output holding time | 0.01...99.99 s |
| Interface | RS485 |
| Standard DIN EN 61010-1 | Protection class II Overvoltage category II Pollution degree 2 |

Technical data - electrical ratings

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|-------------------------|---|
| Emitted interference | DIN EN 61000-6-4 |
| 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

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|-------------------------|--|
| 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 | 48 x 48 x 100 mm |
| Mounting depth | 100 mm |
| Mounting | Clip frame for built-in housing |
| Cutout dimensions | 45 x 45 mm (+0.6) |
| Weight approx. | 150 g (12-30 VDC/85-265 VAC), 250 g (24/48 VAC) |
| Materials | Housing: Makrolon 6485 (PC) Keypad: Polyester |

