

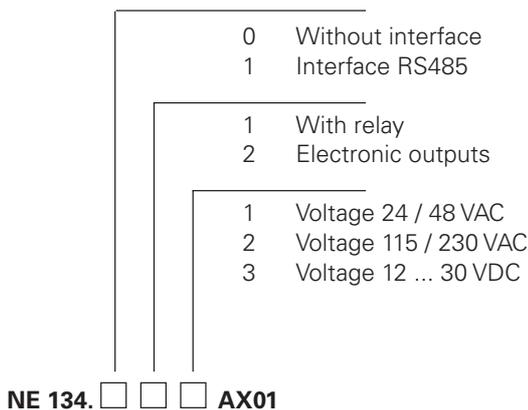


Electronic preselection counter with two presets

Characteristics of device

Technology	μP - device
Functions	Main counter with 1 or 2 presets 8-digit totalizer Positive and negative counting range for main counter and totalizer Batch counter with or w/o preset Start value can be programmed Scaling factor can be programmed 0.0001 ... 9999.99 Interface RS485 Preselection mode can be program.: - Progressive or Trailing preselection

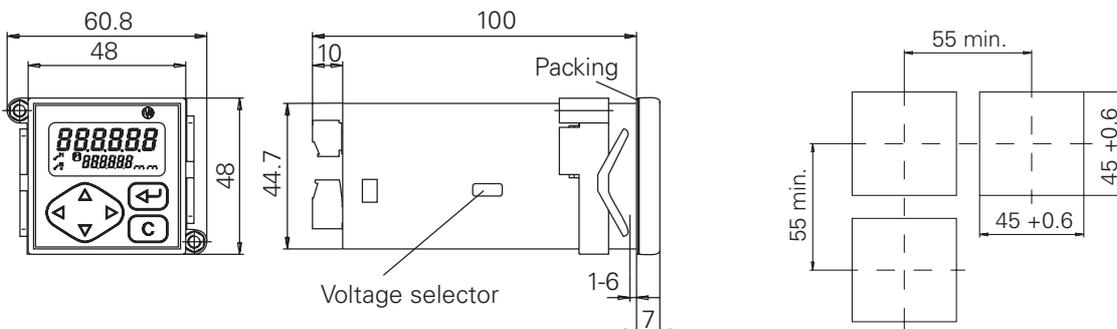
Order designation



Mechanical data

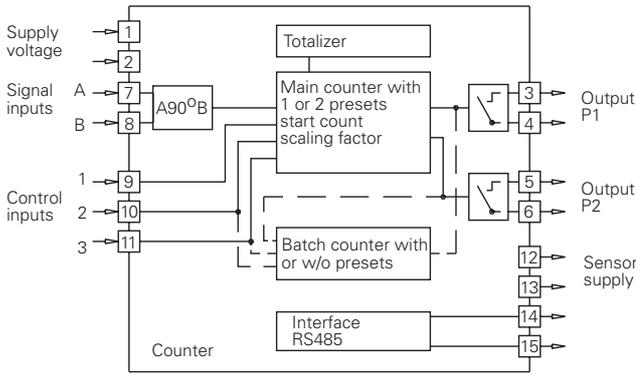
Display	LCD-display with 2 rows of digits Yellow background illumination 6-digit displ. of real value, 7 mm high 6-digit displ. of set value, 4 mm high Decimal point can be programmed Suppression of leading zero Measurement units can be progr. in "m", "dm", "cm", "mm", "l"
Operation, keypad	Front membr. w. short-stroke keys
Front dimensions	DIN housing 48 x 48 mm
Mounting	Front installation
Fastening	Clamping frame
Weight	Version AC: ca. 260 g Version DC: ca. 140 g
Type of connection	Plug-in screw terminals Grid 5.08 mm / 3.81 mm
Core cross-section	Max. 1.5 mm ²
Housing material	Polycarbonate black, UL 94V-0
Membrane material	Polyester

Dimensions and cutout size



NE 134

Block diagram



Counting mode of signal inputs A / B

UP / DOWN, A - B, A + B, A 90° B x1, A 90° B x2, A 90° B x4

Ambient conditions

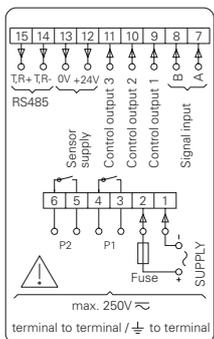
Ambient temperature	0 ... +50 °C
Storage temperature	-20 ... +70 °C
Relative humidity	Max. relative humidity 80 %, at 25 °C, non-condensing
Protection	Front IP 65 to DIN 40050
Operational requirements	To contamination factor 2
Classification	Accord. to EN 61010 Category II
Interference immunity	EN 61000-4-2...4 Severity grade 3 EN 61000-4-5 Severity grade 4 EN 61000-4-6 Severity grade 3 EN 61000-4-11
Emitted interference	EN 55022 Class B
General rating	EN 61010
Oversvoltage protection	II

Electrical data

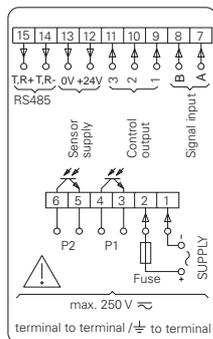
Supply voltage	Choice of two voltages (AC) via switch on device. When supplied, always higher voltage adjusted. 115 / 230 VAC ± 10 % (50 / 60 Hz) 24 / 48 VAC ± 10 % (50 / 60 Hz) 12 ... 30 VDC ± 10 %, 5 % residual ripple
Power consumption	5 VA, 4 W
Sensor supply	12 ... 26 VDC / 60 mA
Signal inputs	Comparator inputs PNP, NPN or AC-logic, NAMUR Voltage level 4 ... 40 V Input resistance 3 kOhm
Counting rate	Main counter: 3 Hz, 25 Hz, 10 kHz Batch counter: Max. 20 Hz
Control inputs	3 control inputs for reset, stop, hold, print, keylock etc.
Signal outputs	Can be programmed as momentary or permanent signals Impulse time can be programmed 0.01 ... 99.99 s
Relay signal outputs	2 floating relays to be programmed as normally open or normally closed contact Internal spark suppression Max. switch. volt. 250 VAC/110 VDC Max. switch. power 1 A Max. switch. capacity 150 VA /30 W
Electronic outputs	Optocoupler Max. switching voltage 50 V Max. switching power 25 mA
Data storage	> 10 years via EEPROM
Operation modes	To be programmed as adding or subtracting

Pin assignments

with relay outputs



with electronic outputs



Accessories

Order no.

Z 118.033	Adapter plate for screw fixture
Z 118.034	Adapter plate for clamping bracket fixture
Z 118.035	Adapter plate for clamping bracket fixture with large front plate