

## C1050100

### COUNTERS • PULSE COUNTERS

In industrial applications, counting, adding / subtracting of pulses, measuring paths or detecting times are common task areas. However, the use of a PLC is not worthwhile evaluating one or two sensors only. In this case, the multi-function encounters of ipf electronic are a good alternative. Various evaluation variants, amongst others frequency meters, sum counters, time relays, tachometers or wear / maintenance counters enable the use in a variety of applications. The batch counter or total sums function also make more complex tasks possible. The integrated front keypad can conveniently be used to program a pre-selection value or the signal evaluation mode for the operation of a linear measurement system or a rotary encoder.



#### MECHANICAL DATA

Ambient temperature (MAX)	45 °C
Degree of protection (IP)	IP65
Height	48 mm
Housing material	Noryl UL94
Installation depth	131.5 mm
Length	141 mm
Storage temperature	70 °C
Suitable for serial installation	No
Width	96 mm

#### ELECTRICAL DATA

1. output voltage at DC (MAX)	30 V
1. output voltage at DC (MIN)	5 V
2. output voltage at DC (MAX)	30 V
2. output voltage at DC (MIN)	5 V
3. output voltage at DC (MAX)	30 V
3. output voltage at DC (MIN)	5 V
4. output voltage at DC	30 V
4. output voltage at DC	5 V
Counting frequency	1000 kHz
Difference (up, down)	Yes
Display	LED
Display range	999999
Display range	-99999
Input voltage frequency	1000000 Hz
Max. output current	0.35 mA
Max. output current 1	0.35 A
Max. output current 2	0.35 A
Max. output current 3	0.35 A
Max. output current 4	0.35 A
No-load current	100 mA

## ELECTRICAL DATA

Number of decades	6
Number of presets to be set	4
Number of switching outputs	4
Operating voltage (MAX)	24 V
Operating voltage (MIN)	24 V
Primary voltage	24 V
Pulse counter	Yes
Rated control supply voltage $U_s$ at AC 50HZ (MAX)	24 V
Rated control supply voltage $U_s$ at AC 50HZ (MIN)	24 V
Rated control supply voltage $U_s$ at DC (MAX)	40 V
Rated control supply voltage $U_s$ at DC (MIN)	17 V
Response time	1 ms
Transducer power supply current	120 mA
Transducer power supply voltage	24 V
Type of 2nd switching function	Normally open contact (NO)
Type of 2nd switching output	PNP
Type of 3rd switching function	Normally open contact (NO)
Type of 3rd switching output	PNP
Type of 4th switching function	Normally open contact (NO)
Type of 4th switching output	PNP
Type of electrical connection	Screw connection
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Voltage type	AC/DC
With communication interface, RS-232	Yes
With quadruple evaluation	Yes

## OTHER DATA

Number of characters	6
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## DIMENSIONAL DRAWING

### INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

### DISPOSAL



### SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.