

**CI200120****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.

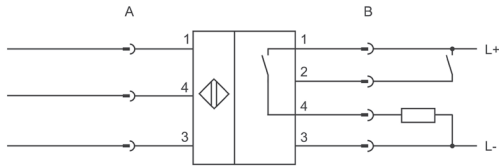
**MECHANICAL DATA**

Ambient temperature (MAX)	60 °C
Degree of protection (IP)	IP67
Housing material	Plastic
Length	60 mm
Suitable for serial installation	No

**ELECTRICAL DATA**

1. output voltage at DC	10 V ... 30 V
Adding	Yes
Counting frequency	10 kHz
Max. output current	400 mA
No-load current	10 mA
Number of pins	4
Number of presets to be set	1
Number of switching outputs	1
Operating voltage	10 V ... 30 V
Pulse counter	Yes
Rated control supply voltage $U_s$ at DC	10 V ... 30 V
Response time	0 ms
Type of electrical connection	Connector M12
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Voltage type	DC
With reset function	No

## CONNECTION

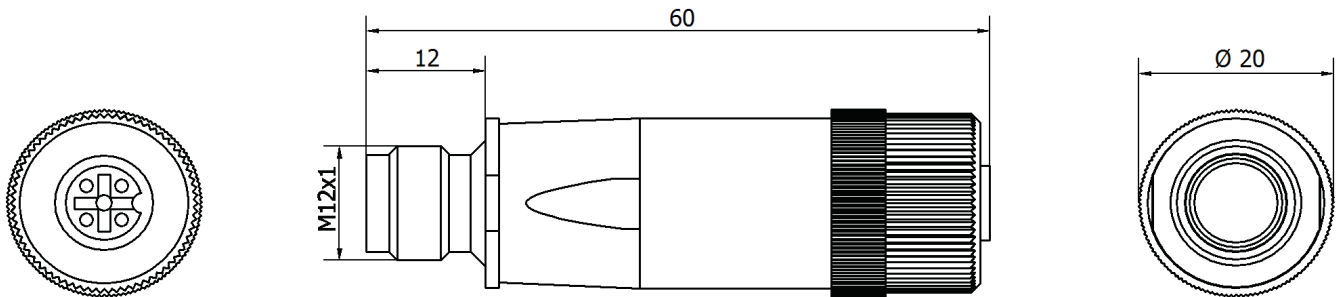


**Colors:** A: 1 = BN (brown), 3 = BU (blue), 4 = BK (black)

B: 1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black) **Functions:** A: BN = L+, BU = L-, BK = PNP NO

B: 1 = L+, 2 = teach-In, 3 = L-, 4 = PNP NO

## 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!