

# Counters Multifunction Display Types DMF861



DMF861

- Programmable function:
  - Pulse counter
  - Position display
  - Frequency/speed
  - Timer/time meter
- DC supply
- High rate accuracy system
- DIN 24x48
- IP65 front protection

## Product Description

This multifunction display can be used for a multitude of applications. Can be used for piece counting, measuring and recording speed for positioning, time measuring. All values are scalable.

## Ordering Key

**DMF861 A12 3 00**

Type \_\_\_\_\_  
 Output \_\_\_\_\_  
 Supply voltage code \_\_\_\_\_  
 Input type \_\_\_\_\_  
 Stock items: DMF861A12300

## Approvals



## Output Type

A11	Optocoupler output
A12	No output

## Supply Voltage

3	10...30VDC (with reverse polarity protection)
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## Input Type

00	Standard (also fixed voltage input available upon request)
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## General Data

Display	6 digits LED type
Dimensions of digits	H 8mm/0.31"
Viewing angle	Frontal
Colour of digit figures	Red
Current consumption	<50mA
Data Back-up	E <sup>2</sup> PROM
Operating temperature	-20...+65°C/-4...149°F
Storage temperature	-20...+85°C/-4...185°F
Mounting position	Panel mounting
Housing colour	RAL7021 (grey)
Dimensions	24x48 acc. to DIN 43700 STD
Weight	50g/1.76oz
Panel cut-out HxL	22.4x52mm / 0.87"x1.77"
Protection degree	IP65 (front)
EMC	acc. to directive 89/36/ENG
emitted:	EN61000-6-4 EN550011 class B
immunity:	EN61000-6-2

## Measuring Specifications

Time range	0.001s...999 999h
Counting Frequency	60kHz
Counting system	Programmable
Reset time	<5ms
Accuracy Tachometer:	<0.1%
Timer:	<50ppm

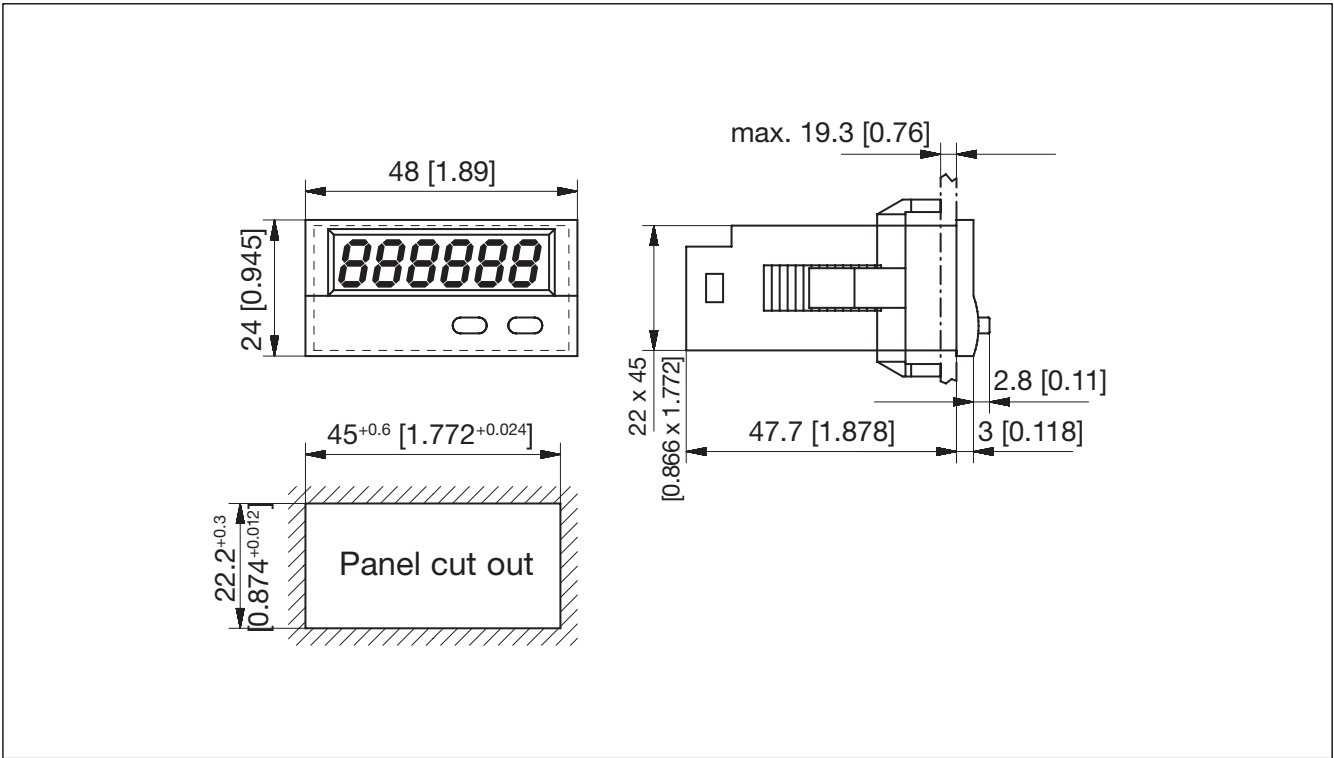
## Input Specifications

Polarity	PNP or NPN programmable
Resistance	~ 5kΩ
Switching level	Low: $0 \div 0.2 \times U_B$ High: $0.6 \times U_B \div 30VAC$

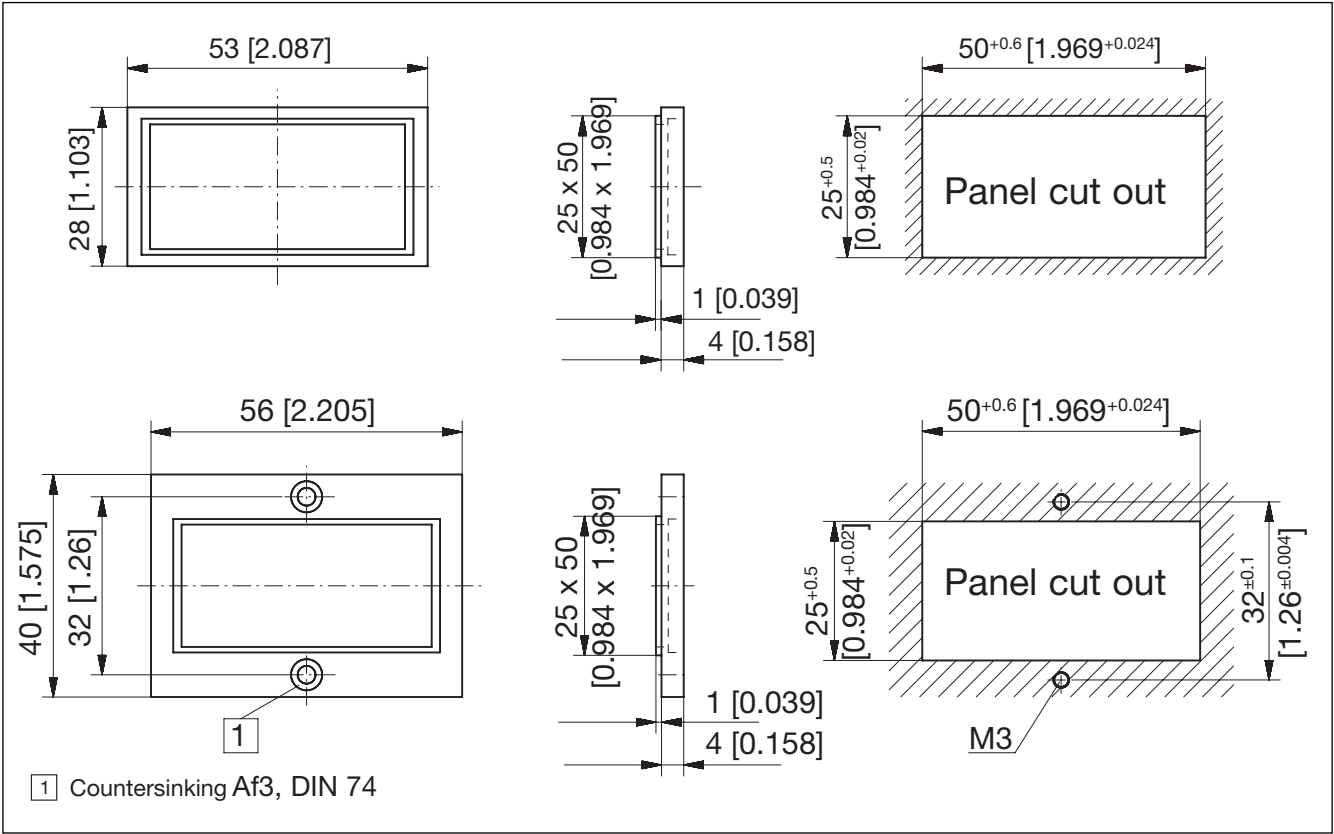
## Package Content

1	Instrument DMF861
1	Panel mounting clip
1	Bezel for screen mounting, panel cut-out 50x25mm
1	Bezel for clip mounting, panel cut-out 50x25mm
1	Seal
1	Multilingual operating manual

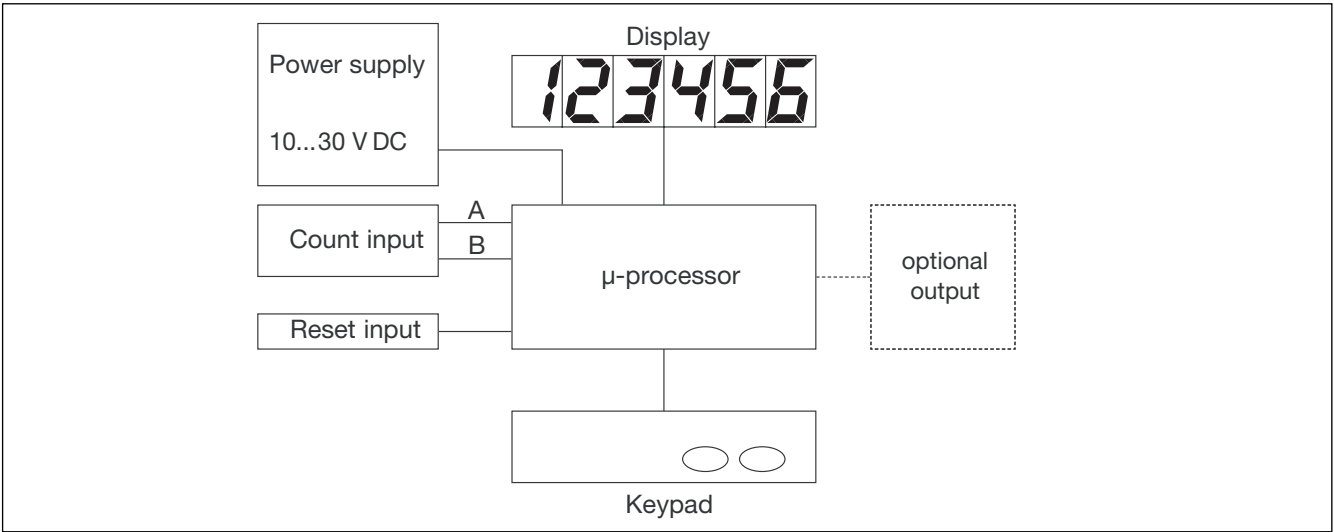
Dimensions (mm/inches)



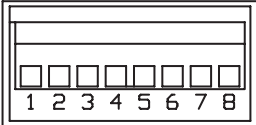
Bezel Dimensions (mm/inches)



Block Diagram

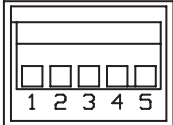


Connections



Pin	Signal
1	VDC +
2	GND
3	INP A
4	INP B
5	Reset
6	Optocoupler Emitter
7	Optocoupler Collector

With Optocoupler



Pin	Signal
1	VDC +
2	GND
3	INP A
4	INP B
5	Reset

No output

# Mouser Electronics

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