Counters
24 x 48 Electronic Counter
Types DCT86

CARLO GAVAZZI

DCT86

- Programmable counter
- Single channel totaliser
- Programmable decimal point
- Manual or electronic reset
- DC supply
- NPN/PNP programmable
- DIN 24x48
- IP65 front protection

Product Description

This counter has a fast counting input and can be used for piece counting on die cutter, presses, extruders, woodworking machines, drilling machines, pick and place, guillotines and special purpose vehicles.

Ordering Key

DCT86 A12 3 00

Type
Output
Supply voltage code
Input type
Stock item: DCT86A12300

Approvals

CE   cULus   RoHS COMPLIANT

Output Type

A12	No output

Supply Voltage

3	10...30VDC (with reverse polarity protection)

Input Type

00	Standard (also fixed voltage input available upon request)

Measuring Specifications

Programmable decimal point	0.0 to 0.000
Counting Frequency	60kHz
Manual reset	lockable
Electric reset time	<5ms
Accuracy	
Tachometer:	<0.1%
Timer:	<50ppm

Input Specifications

Polarity	PNP or NPN programmable
Resistance	~ 5kΩ
Switching level	
STD DC input version	Low: $0 \div 0.2 \times U_B$ High: $0.6 \times U_B \div 30VAC$
5V input version	Low: $0 \div 2VDC$ High: $4 \div 30VDC$

General Data

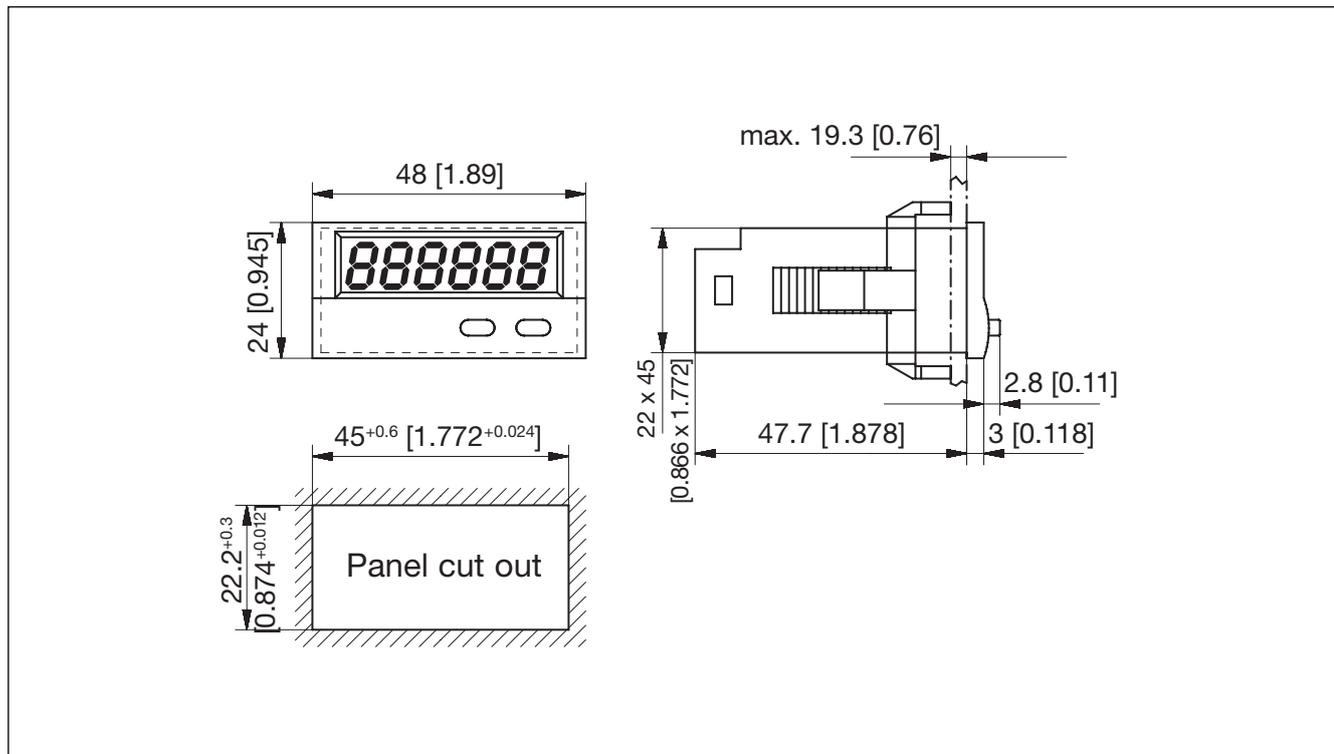| Display	6 digits LED type
Dimensions of digits	H 8mm/0.31"
Viewing angle	frontal
Colour of digit figures	Red
Current consumption	<50mA
Data Back-up	E²PROM
Operating temperature	-20...+65°C/-4...149°F
Storage temperature	-20...+85°C/-4...185°F
Mounting position	Panel mounting
Housing colour	RAL7021 (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

Package Content

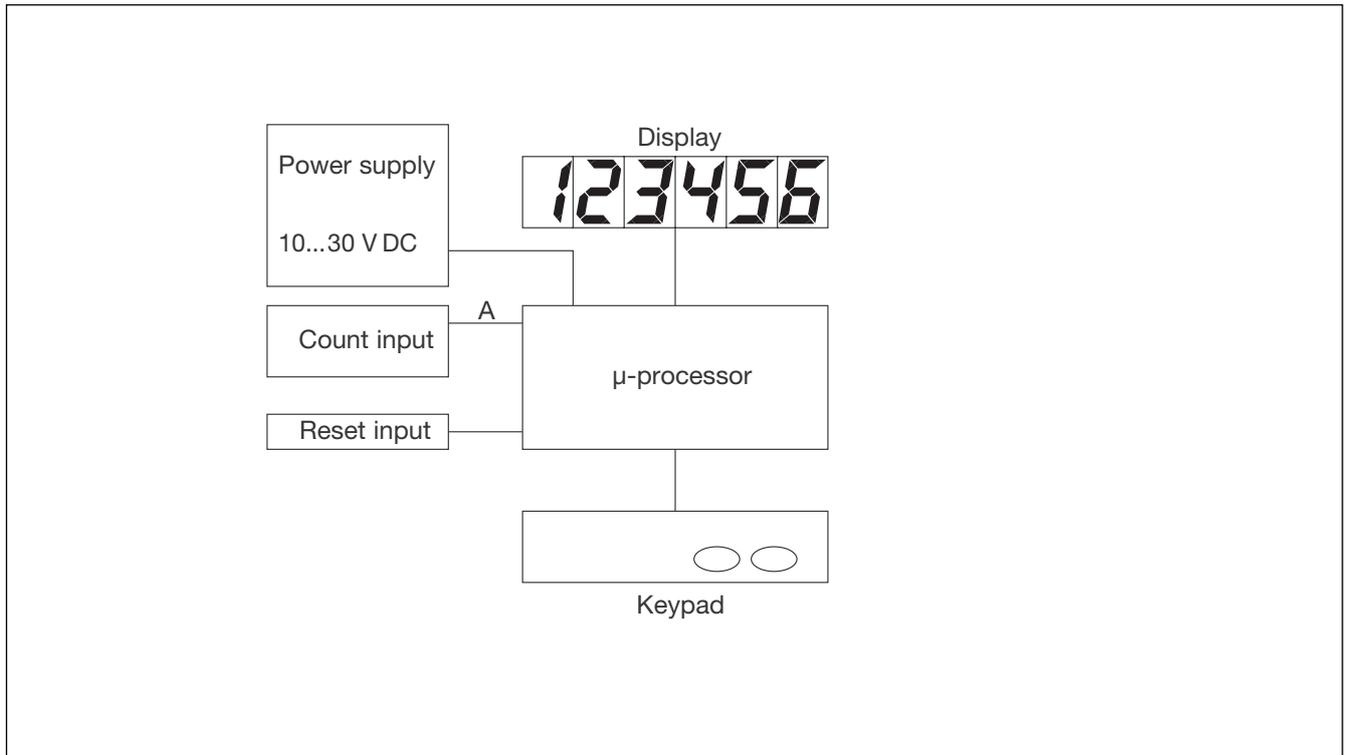| 1	Instrument DCT86
1	Panel mounting clip
1	Bezel for screen mounting, panel cut-out 50x25mm
1	Bezel for clip mounting, panel cut-out 50x25mm
1	Seal
1	Multilingual operating manual

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Dimensions (mm/inches)

48 [1.89]

24 [0.945]

888888

max. 19.3 [0.76]

22 x 45 [0.866 x 1.772]

47.7 [1.878]

2.8 [0.11]

3 [0.118]

45$^{+0.6}$ [1.772$^{+0.024}$]

22.2$^{+0.3}$ [0.874$^{+0.012}$]

Panel cut out

Bezel Dimensions (mm/inches)

53 [2.087]

28 [1.103]

25 x 50 [0.984 x 1.969]

1 [0.039]

4 [0.158]

50$^{+0.6}$ [1.969$^{+0.024}$]

25$^{+0.5}$ [0.984$^{+0.02}$]

Panel cut out

56 [2.205]

40 [1.575]

32 [1.26]

25 x 50 [0.984 x 1.969]

1 [0.039]

4 [0.158]

50$^{+0.6}$ [1.969$^{+0.024}$]

25$^{+0.5}$ [0.984$^{+0.02}$]

Panel cut out

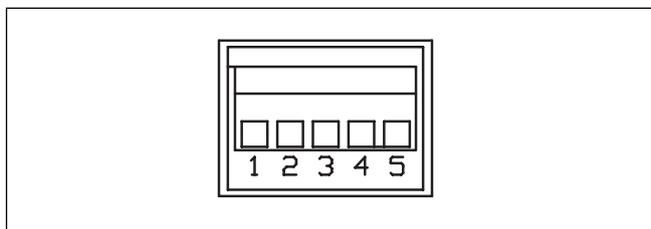32$^{±0.1}$ [1.26$^{+0.004}$]

M3

1 Countersinking Af3, DIN 74

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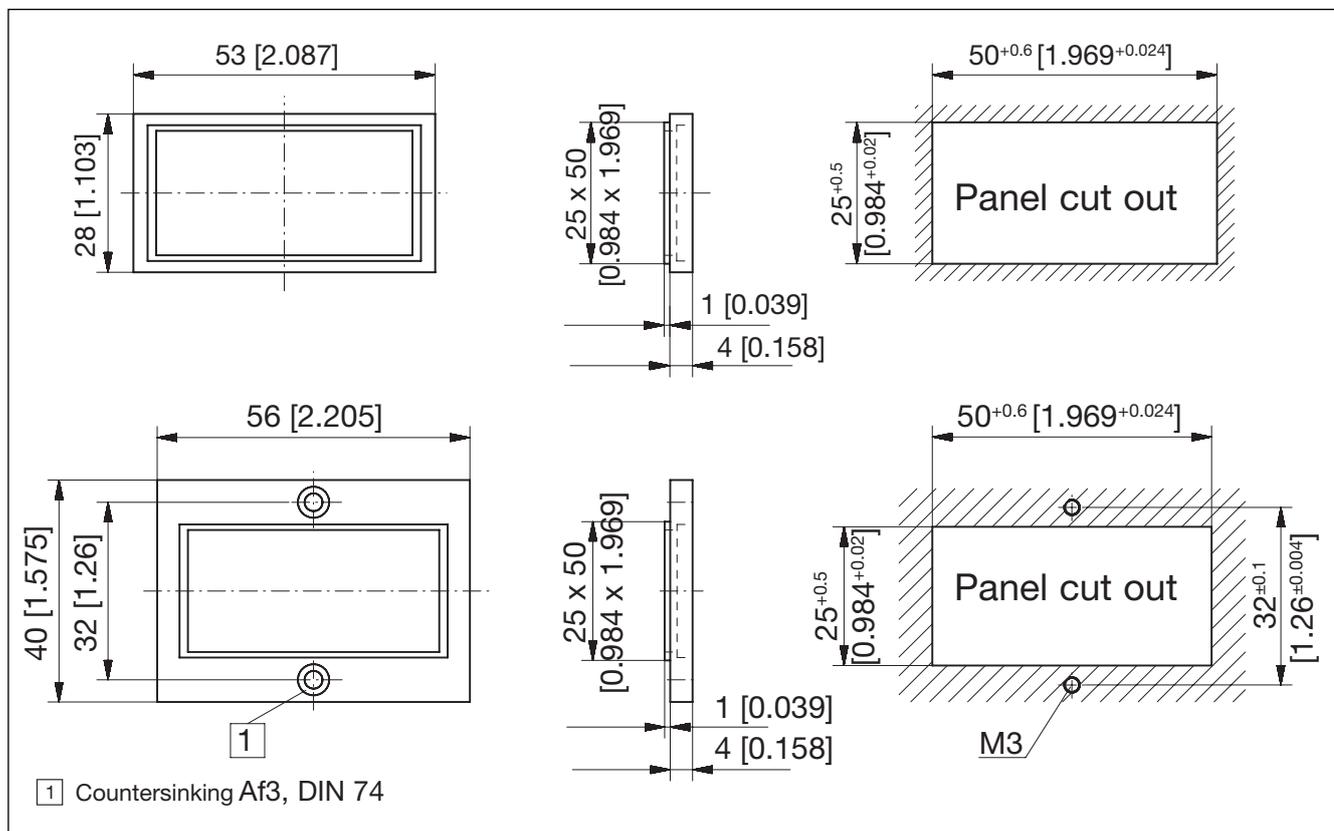
Block Diagram

Connections

1. VDC +
2. GND
3. INP
4. Not connected
5. Reset

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