

Multifunction devices, electronic

LCD touch multifunction preset counters

Pulse, frequency, time (also reciprocal) – (AC+DC)

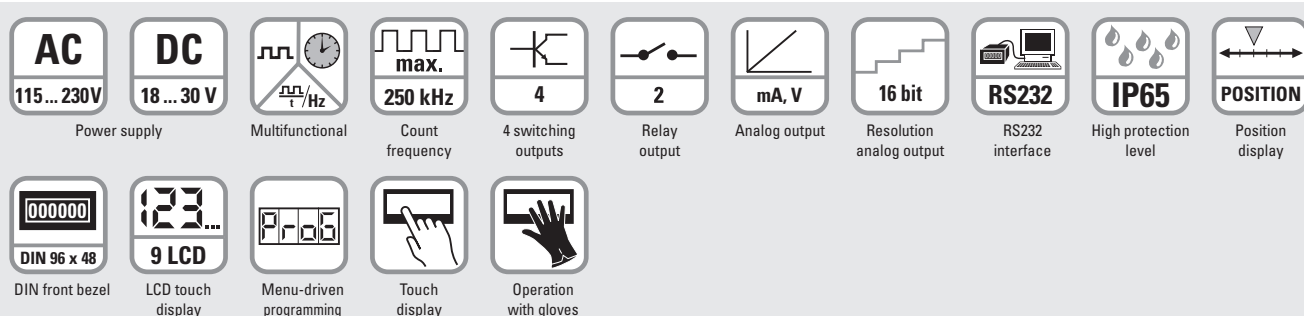
571T



The multifunction preset counter 571T with its max. 250 kHz count frequency is ideal for fast counting tasks. It can also be used as a tachometer, short time meter, stop-watch or to measure machine cycle times or throughput times.

Output options include 4 limit values, analog output or RS232 interface.

This device is thus able to carry out virtually all count, measurement and control tasks.



Characteristics

- Fast count input, works with our Limes measuring system (250 kHz).
- 4 switching outputs to work as limit values.
- Scalable analog output, resolution 16 bit, +10 ... -10 V, 0 ... 20 mA or 4 ... 20 mA.
- Serial interface RS232 for reading data in and out.
- Sensor power supply 24 V DC / 150 mA (AC version) or U_B - 1 V / max. 250 mA (DC version).
- 96 x 48 mm DIN housing, IP65.
- Touch display with 9-digit display value and menu-driven programming.
- 2 relay outputs that can be assigned to the limit values.

Benefits

- AC and DC power supply in one unit.
- Measuring function can be programmed for RPM, speed, speed from elapsed time, machine cycle time, throughput time (reciprocal rotary speed), as well as numerous count and stop-watch functions.
- 4 switching outputs; can also be programmed as a tracking preset.
- Freely programmable.
- Large 12 mm high LCD display, 9-digit, with adjustable brightness. Tri-color – red/green/yellow – programmable.
- Display linearization with teach function.

Multifunction devices

Order code

6.571T . 01X . X0X
a b c d

a Relay outputs
0 = 2 relay outputs
2 = without output

b Power supply
3 = 18 ... 30 V DC
E = 18 ... 30 V DC + 115 ... 230 V AC

c Further options
0 = none

d Electrical outputs
0 = none
1 = RS232, 4 switching outputs
2 = RS232, 4 switching outputs, analog output

Delivery specification
· Display 571T
· Gasket
· Mounting kit
· Manual German/English

Stock types
6.571T.012.301
6.571T.012.302
6.571T.010.302
6.571T.010.E02

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Accessories			Order no.
Mounting frame with cut-out 92 x 45 [3.62 x 1.77]	for snap-on mounting on 35 [1.38] top-hat DIN rail, for counters 96 x 48 [3.74 x 1.89]	grey	G300005
OS6.0 software for parameter setting	can be downloaded at www.kuebler.com		

Suitable gaskets as well as further accessories can be found in the accessories section or in the accessories area of our website at: www.kuebler.com/accessories.

Technical data

General technical data		Inputs	
Display	LCD touch display, 12 mm high 9 decades	2 incremental inputs	Tri-state – PNP, NPN and Namur pulse, 6 mA / Ri > 5 kΩ / 470 pF A, B
Operating temperature	-20°C ... +60°C [-4°F ... +140°F] (non-condensing)	3 control inputs	Cnt 1 - 3 PNP, 2 mA / Ri > 15 kΩ / 470 pF
Storage temperature	-25°C ... +70°C [-13°F ... +158°F]	Max. input frequency	A, B 250 kHz Cnt 1 - 3 10 kHz
Altitude	up to 2000 m [6562']	Input level HTL	LOW 0 ... 3 V HIGH 9 ... 30 V
Electrical characteristics		Accuracy frequency	±1 ppm ±1 digit
Power supply	18 ... 30 V DC, with reverse polarity protection (rated voltage 24 V DC) 115 ... 230 V AC, 50/60 Hz	Outputs	
Current consumption DC	100 mA, without load	Analog output	+10 ... -10 V or 0 ... 20 mA, 4 ... 20 mA resolution 16 bit (15 bit + sign) accuracy 0.1 %
Power consumption AC	approx. 3 VA, without load	4 switching outputs	5 ... 30 V DC/200 mA (PNP) reaction time < 1 ms
Auxiliary power supply (for encoder)		Interface	RS232 Drivecom protocol / Modbus / Printer 2400 ... 38400 Baud
AC supply	24 V DC ±15 %, 150 mA (up to +45°C) 80 mA (from +46°C)	Relay output	2 changeover contacts (potential free) max. 250 V AC / 3 A / 750 VA max. 150 V DC / 2 A / 50 W reaction time < 5 ms
DC supply	U _B - 1 V, 250 mA		
EMC standards	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61326-3-2		
Device safety	designed to protection class 2 application area pollution level 2		
Mechanical characteristics			
Housing	ABS UL94-V-0		
Weight	approx. 200 g		
Protection	IP65 (front side) IP20 (rear side)		
Terminals	max. 1.5 mm ²		

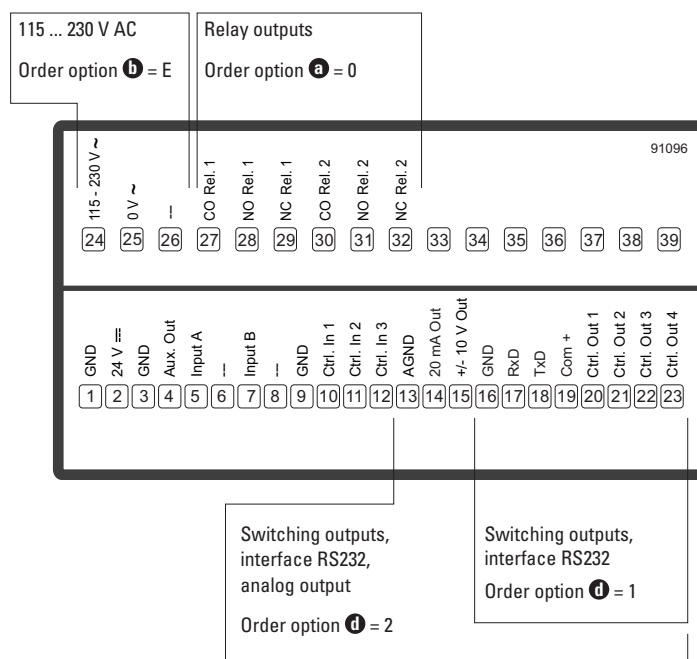
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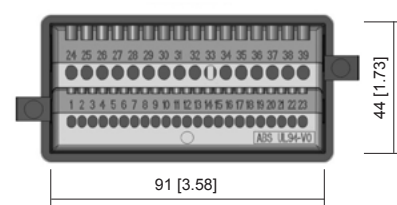
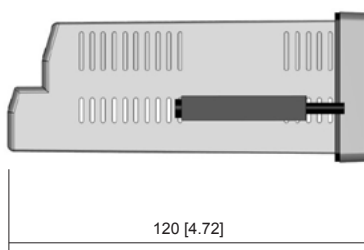
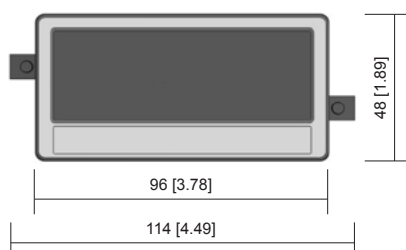
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Terminal assignment



Dimensions

Dimensions in mm [inch]



Panel cut-out
92 x 45 mm [3.62 x 1.77"]

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devices