

Position displays with limits

LCD touch position preset counters

SSI absolute encoder display (AC+DC)

570T



The fast SSI display type 570T is designed for absolute SSI encoders with a resolution up to 32 bits. It can be used as either a master or a slave display.

Thanks to simple bit assignment and bit blanking the display, which can be scaled and linearized, can also be cascaded, in order to extend the display range as desired. Output options include 4 limit values, analog output or RS232 interface.



AC 115... 230V Power supply	DC 18... 30 V Power supply	SSI SSI input	max. 1 MHz Count frequency	4 4 switching outputs	2 Relay output	mA, V Analog output	16 bit Resolution analog output	RS232 RS232 interface	IP65 High protection level	POSITION Position display
DIN 96 x 48 DIN front bezel	9 LCD LCD touch display	Prog Menu-driven programming	SSI Display linearization	Touch display Touch display	Operation with gloves Operation with gloves					

Characteristics

- Suitable for SSI-protocols from 8 up to 32 bits.
- 4 switching outputs to work as limit or preset values; also with programmable tracking preset.
- Scaleable analog output, resolution 16 bit, -10 ... +10 V, 0 ... 20 mA or 4 ... 20 mA.
- Serial interface RS232 for reading data in and out.
- Version with 2 relay outputs as limit values or presets; can also be programmed as tracking preset.
- Gray or binary code.
- 96 x 48 mm DIN-housing, IP65.

Benefits

- AC and DC power supply in one unit.
- Master- or slave mode.
- Screw terminal connection.
- SSI-clock frequency from 100 Hz up to 1 MHz.
- Display may be adjusted using scaling- and offset-features.
- Large 12 mm high LCD display, 9-digit, with adjustable brightness. Tri-color – red/green/yellow – programmable.
- Round-loop function.
- 24-point linearization.
- bit blanking.

Order code ¹⁾

6.570T . 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 570T
- Gasket
- Mounting kit
- Manual German/English

Stock types

6.570T.012.301
6.570T.012.302
6.570T.010.302
6.570T.010.E02

1) Serial availability as from March 2017.

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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	
Display	LCD touch display, 12 mm high 9 decades
Operating temperature	-20°C ... +60°C [-4°F ... +140°F] (non-condensing)
Storage temperature	-25°C ... +70°C [-13°F ... +158°F]
Altitude	up to 2000 m [6562']
Electrical characteristics	
Power supply	18 ... 30 V DC, with reverse polarity protection (rated voltage 24 V DC) 115 ... 230 V AC, 50/60 Hz
Current consumption DC	100 mA, without load
Power consumption AC	approx. 3 VA, without load
Auxiliary power supply (for encoder)	
AC supply	24 V DC ±15 %, 150 mA (up to +45°C) 80 mA (from +46°C)
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 EN 61010 part 1 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

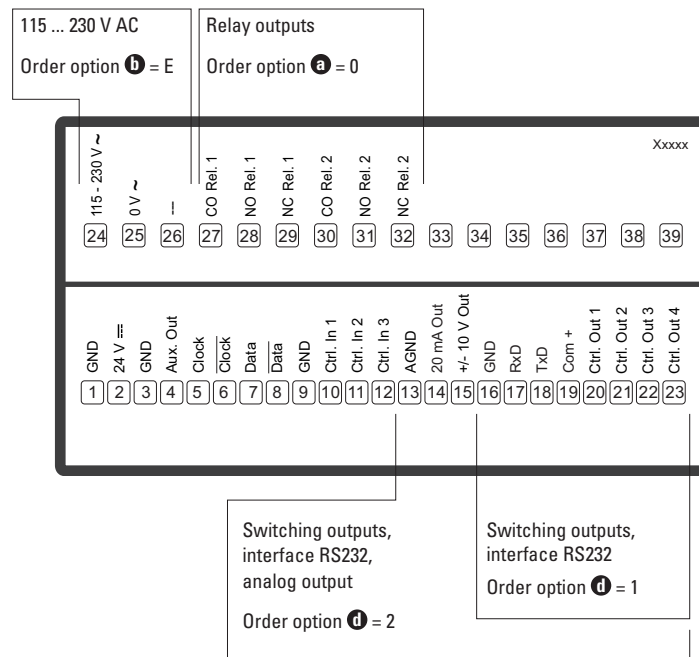
Inputs	
SSI data inputs	differential RS422 input
Input frequency range	100 Hz ... 1 MHz
SSI clock output	differential RS422 output
Output frequency range	100 Hz ... 1 MHz
3 control inputs	PNP, 2 mA / R _i > 15 kΩ / 470 pF
Input frequency range	10 kHz
Input level	LOW 0 ... 3 V HIGH 9 ... 30 V

Outputs	
Analog output	+10 ... -10 V or 0 ... 20 mA, 4 ... 20 mA resolution 16 bit (15 bit + sign) accuracy 0.1 %
4 switching outputs	5 ... 30 V DC/200 mA (PNP) reaction time < 1 ms
Interface	RS232 Drivecom protocol / Modbus / Printer 2400 ... 38400 Baud
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

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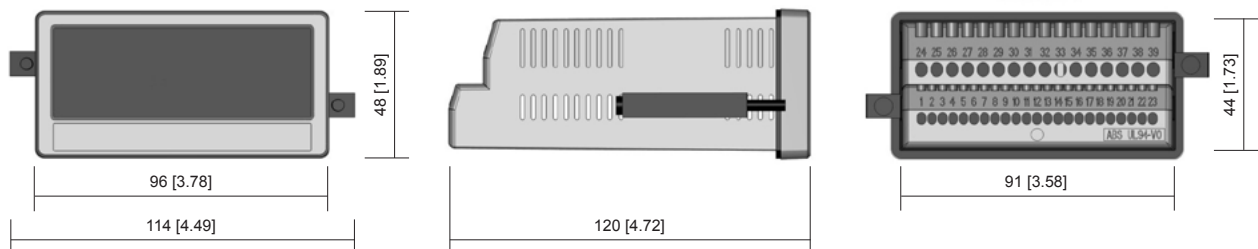
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Terminal assignment



Dimensions

Dimensions in mm [inch]



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