Counter/Timer/Tachometer

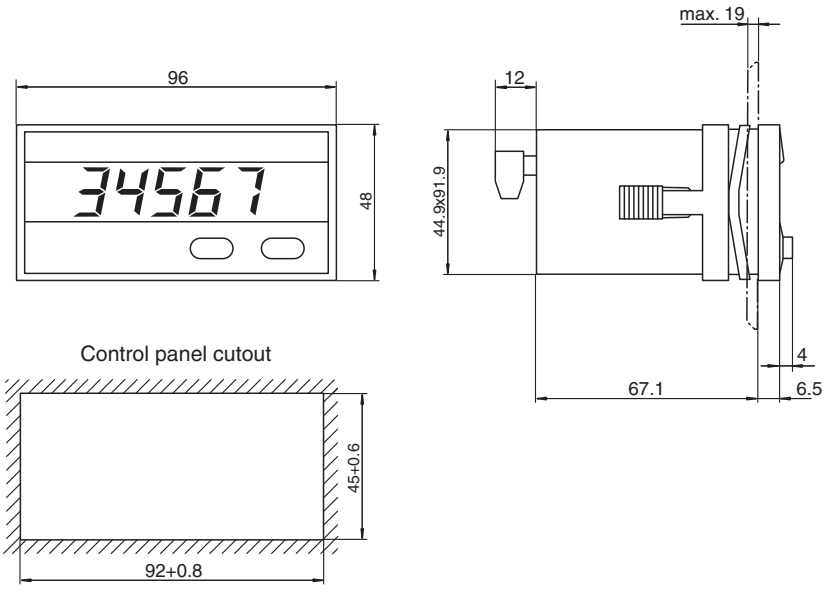
KCT2-6ST-V



- Counter/Timer/Tachometer
- Extremely bright, large LED indicator
- 1 pre-select value with transistor output
- PNP and NPN sensors can be connected
- Adding/subtracting via 2 separate inputs
- Degree of protection IP65 (front only)

CE

Dimensions



Technical Data

General specifications	
Pre-selection	single
Data storage	10^6 storage cycles or 10 years, EEPROM
Programming	keypad-driven menu
Functional safety related parameters	
$MTTF_d$	330 a
Mission Time (T_M)	10 a
Diagnostic Coverage (DC)	0 %
Indicators/operating means	

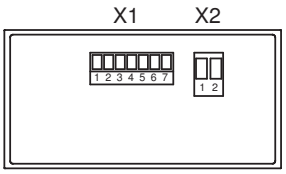
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Technical Data

Type		7-segment LED display, red
Number of digits		6
Display value		digit height 14 mm
Pre-selection		active at counter value ≤ 0
Key interlock		-
Display interval		-199999 ... 999999 with suppression of leading zeros
Decimal point		0 to max 3 fractional digits
Scale factor		0.0001 ... 99.9999
Reset		manually or external
Electrical specifications		
Operating voltage	U_B	90 ... 260 V AC
Power consumption	P_0	max. 6 VA
Input		
Counting frequency		30 Hz / 20 kHz (max. 11 kHz when counting with phase discriminator)
Minimum pulse duration		5 ms for reset input
Impedance		10 kOhm
Voltage		low: 0 ... 4 V DC ; high: 12 ... 30 V DC
Counting method		adding or subtracting
Output		
Sensor supply		24 V DC ± 15 % / 100 mA
Response time		6 ms
Optocoupler		NPN, open collector and open emitter 30 V / 15 mA
Ambient conditions		
Ambient temperature		-20 ... 65 °C (-4 ... 149 °F)
Storage temperature		-25 ... 70 °C (-13 ... 158 °F)
Relative humidity		≤ 80 % (noncondensing)
Mechanical specifications		
Connection		2-pin and 7-pin plug-in connection terminals, core cross-section ≤ 1.5 mm^2
Mass		approx. 150 g
Dimensions		96 mm x 48 mm x 90 mm
Mounting		latch fastener (dimension 48 mm x 100 mm)

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Connection



Connection assignment X2

Terminal No.	AC version
1	Power supply 90 ... 260 V AC
2	Power supply 90 ... 260 V AC

Connection assignment X1

Terminal No.	AC version
1	Optocoupler collector output
2	Optocoupler emitter output
3	SET
4	INP B
5	INP A
6	GND
7	+24 V out

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