

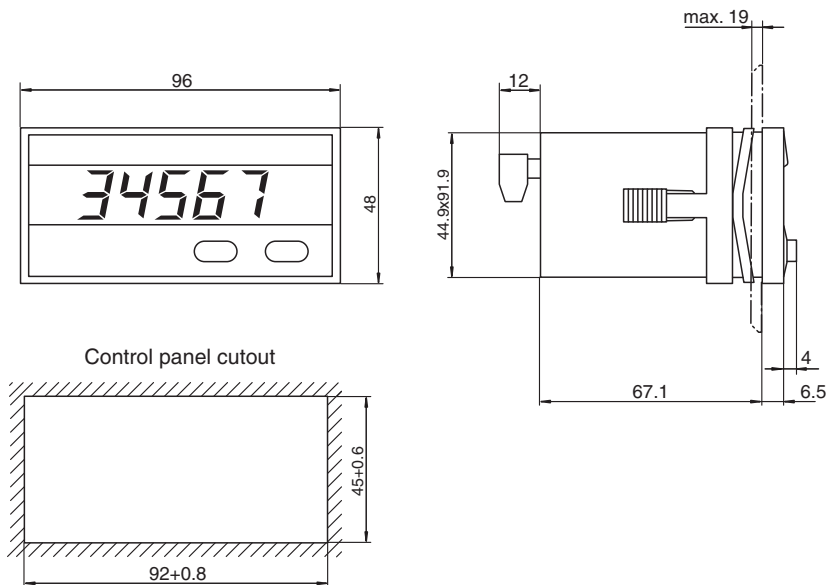
Counter/Timer/Tachometer KCT2-6ST-V



- 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)



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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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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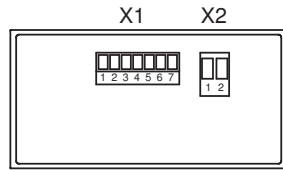
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Technical Data

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 \pm 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)	

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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