

# Timer, Counter, Tachometer

## KCT-6S-C

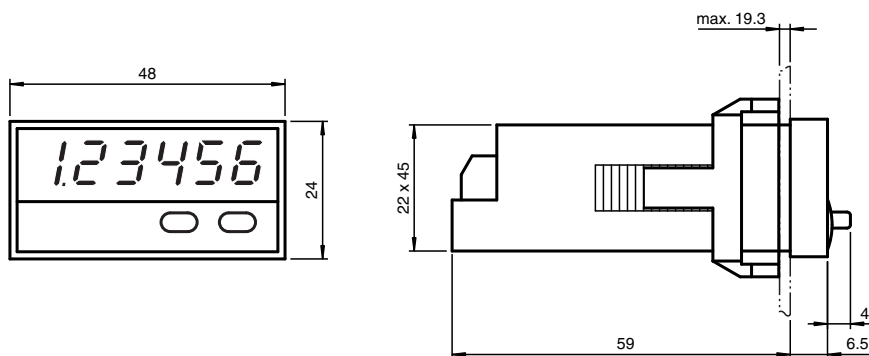


- Counter frequency up to 20 kHz
- LED indicator, red
- 6 decade devices
- Operation via keypad
- Two counter inputs
- Fixing with plug-in frame for easy installation
- Connection via screw terminals
- Manual or external reset
- PNP and NPN sensors can be connected
- Shock resistance in accordance with DIN EN 60068-2-27
- Vibration resistance in accordance with DIN EN 60068-2-6

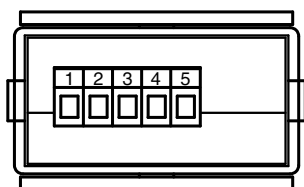
Counter



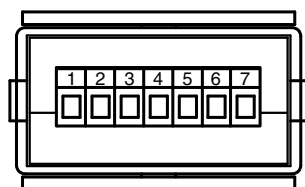
### Dimensions



KCT-6S-C



KCT-6ST-C



### Technical Data

#### General specifications

|               |                                                    |
|---------------|----------------------------------------------------|
| Pre-selection | -                                                  |
| Data storage  | 10 <sup>6</sup> storage cycles or 10 years, EEPROM |
| Programming   | keypad-driven menu                                 |

#### Functional safety related parameters

|                                |        |
|--------------------------------|--------|
| MTTF <sub>d</sub>              | 1500 a |
| Mission Time (T <sub>M</sub> ) | 10 a   |
| Diagnostic Coverage (DC)       | 0 %    |

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

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 **PEPPERL+FUCHS**

## Technical Data

### Indicators/operating means

|                  |                                                      |
|------------------|------------------------------------------------------|
| Type             | 7-segment LED display, red                           |
| Number of digits | 6                                                    |
| Display value    | digit height 8 mm                                    |
| Pre-selection    | -                                                    |
| 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 | $U_B$ | 10 ... 30 V DC |
| Power consumption | $P_0$ | 1.5 W          |

### Input

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| Counting frequency | 30 Hz / 20 kHz                                                               |
| Impedance          | 10 kOhm                                                                      |
| Voltage            | low: 0 V DC ... 0.2 x supply voltage; high: 0.6 x supply voltage ... 30 V DC |
| Counting method    | adding or subtracting                                                        |

### Ambient conditions

|                     |                                |
|---------------------|--------------------------------|
| Ambient temperature | -10 ... 50 °C (14 ... 122 °F)  |
| Storage temperature | -25 ... 70 °C (-13 ... 158 °F) |
| Relative humidity   | ≤ 80 % (noncondensing)         |

### Mechanical specifications

|            |                                                                                |
|------------|--------------------------------------------------------------------------------|
| Connection | 5-pin screw terminal ,<br>max. core cross-section 0.34 ... 1.5 mm <sup>2</sup> |
| Mass       | 48 g                                                                           |
| Dimensions | 48 mm x 24 mm x 65 mm                                                          |
| Mounting   | latch fastener                                                                 |

## Connection

