


# Timer, Counter, Tachometer

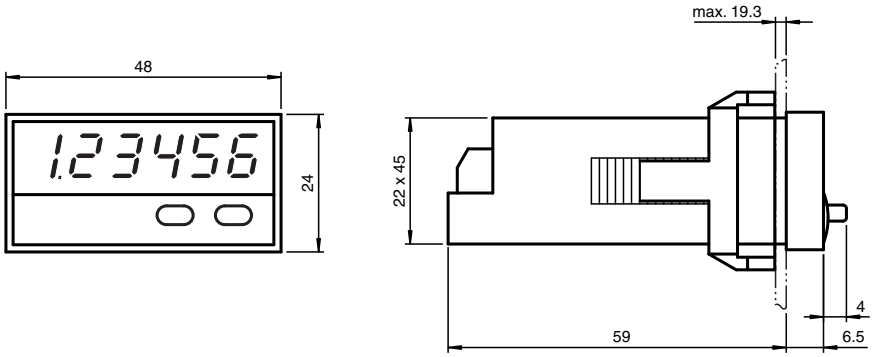
## KCT-6ST-C

- 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

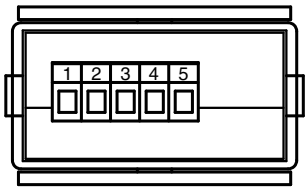
Counter

CE

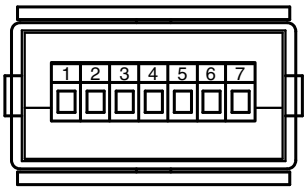
## Dimensions




KCT-6S-C




KCT-6ST-C




## 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** | |
| $MTTF_d$ | 1500 a |
| Mission Time ($T_M$) | 10 a |
| Diagnostic Coverage (DC) | 0 % |

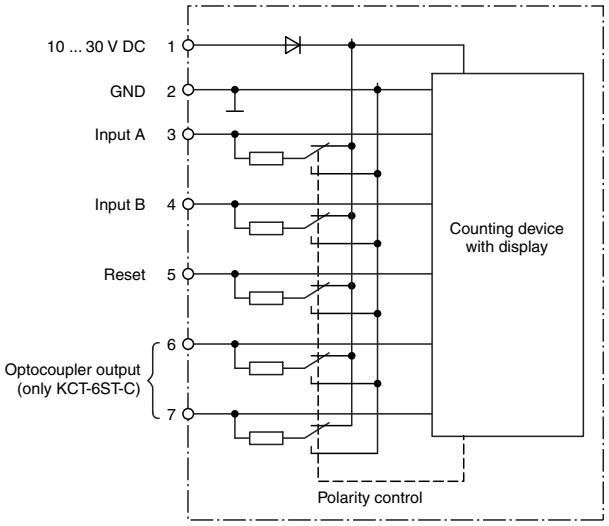
Release date: 2020-03-20 Date of issue: 2020-03-26 Filename: 105455_eng.pdf

## Technical Data

| | | |
|---|---|---|
| **Indicators/operating means** | | |
| Type | | 7-segment LED display, red |
| Number of digits | | 6 |
| Display value | | digit height 8 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 | $U_B$ | 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 |
| **Output** | | |
| Optocoupler | | Semiconductor output 30 V, max. 10 mA |
| **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 | | 7-pin screw terminal ,<br>max. core cross-section 0.34 ... 1.5 mm² |
| Mass | | 48 g |
| Dimensions | | 48 mm x 24 mm x 65 mm |
| Mounting | | latch fastener |

Release date: 2020-03-20 Date of issue: 2020-03-26 Filename: 105455_eng.pdf

## Connection




Release date: 2020-03-20 Date of issue: 2020-03-26 Filename: 105455_eng.pdf