

Timer, Counter, Tachometer

KCT-6ST-C

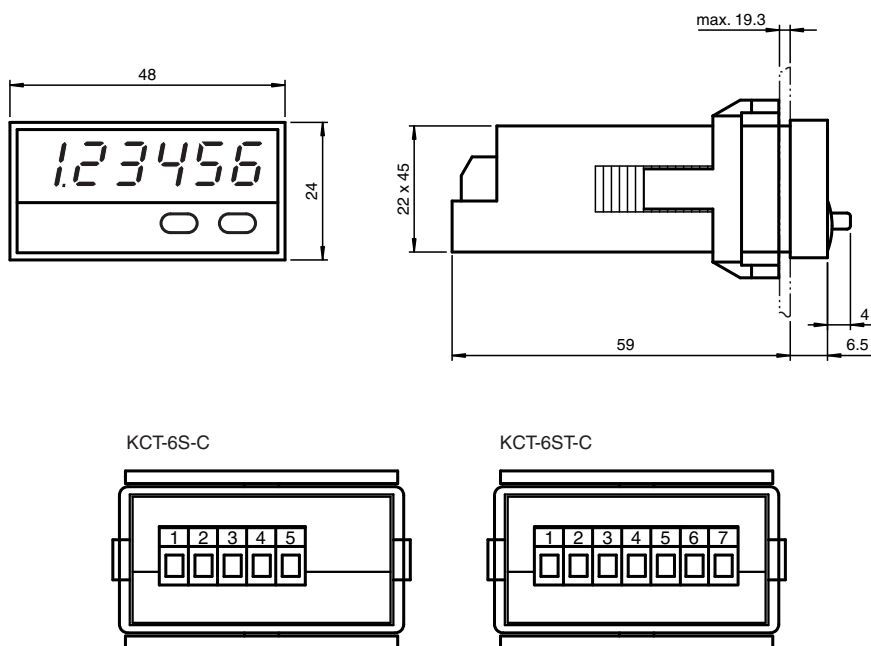


- Counter frequency up to 20 kHz
- LED indicator, red
- 6 decade devices
- Operation via keypad
- Two counter inputs
- Fixing with plug-in frame for easy installation
- Connection via screw terminals
- Manual or external reset
- PNP and NPN sensors can be connected
- Shock resistance in accordance with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

Counter



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	1500 a
Mission Time (T _M)	10 a
Diagnostic Coverage (DC)	0 %

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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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 , max. core cross-section 0.34 ... 1.5 mm ²
Mass		48 g
Dimensions		48 mm x 24 mm x 65 mm
Mounting		latch fastener

Connection

