CE

Model Number

KCT1-6WR/RS232-V

Features

- Counter/Timer/Tachometer
- 6-digit LED indicator, red
- 2 independent pre-select values
- RS 232 interface for parameter assignment
- Status LED indication for output an preselection value
- Display range and preselection range from -199999 up to 999999
  Overflow will be evaluated correctly up to 1 decade
- Programmable functionality as pulse counter, frequency counter, timer or
- Relay output
- Adding/subtracting via 2 separate inputs
- PNP and NPN sensors can be connected
- Protection degree IP65 (front only)

Technical data

General specifications		
Pre-selection		2-fold
Data storage		10^6 storage cycles or 10 years
Programming		keypad-driven menu
Functional safety related parameters		
$MTTF_d$		450 a
Mission Time (T_M)		10 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Type		7-segment LED display, red
Number of digits		6
Display value		digit height 8 mm
Pre-selection		switchable
Key interlock		with "high"-level at terminal "KEY"
Display interval		-999999 ... 999999
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 ... 250 V AC
Power consumption	P_0	max. 7 VA
Input		
Interface		RS 232 interface for parameter assignment
Counting frequency		20 kHz
Minimum pulse duration		5 ms for reset input
Impedance		approx. 10 kOhm
Voltage		low: 0 ... 4 V DC high: 12 ... 30 V DC
Counting method		adding or subtracting
Output		
Relay		250 V AC, 0.3 ... 3 A, 1 changeover contact, 1 NO
Sensor supply		14.4 ... 28 V DC, 100 mA
Response time		7 ms
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		2 plug-in 7-pin screw terminals
Mass		approx. 200 g
Dimensions		48 mm x 48 mm x 106 mm
Mounting		latch fastener (dimension 50.5 mm x 54.5 mm)

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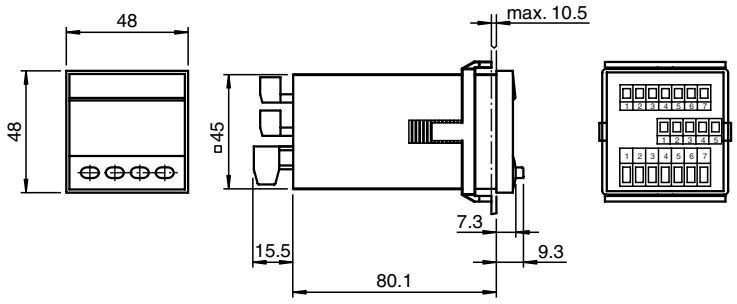
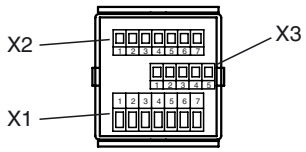
Dimensions



Electrical connection



Connection assignment X1

Supply voltage and outputs

Terminal No.	AC version
1	Output 1 relay contact
2	Output 1 relay contact
3	Output 2 relay common contact (C)
4	Output 2 relay normally open contact (NO)
5	Output 2 relay normally closed contact (NC)
6	Power supply 90 ... 250 V AC
7	Power supply 90 ... 250 V AC

Attention
In the case of selection of ⌝⌞ and ⌞⌜ (inverted relay control) the connections of terminals 4 and 5 are changed:

Terminal No.	AC version
4	Relay normally closed contact (NC)
5	Relay normally open contact (NO)

Connection assignment X2

Inputs

Terminal No.	Name	AC version
1	+24 V DC	Sensor supply voltage
2	0 VDC (GND)	Reference voltage
3	INP A	Counter input A
4	INP B	Counter input B
5	RESET	Reset input
6	GATE	Gate input
7	KEY	Input of push-button lock

Connection assignment X3

Serial interface

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