

XBKT81030U33E

totalising counter - LCD 8 digit display - internal Li battery



Main

Range of product	Zelio Count
Product or component type	Totalising counter
Display type	LCD
Size	24 x 48 mm
Display digits	8 digit(s) 4 mm
Counting frequency	30 Hz 7500 Hz
Reset	Manual Transistor
Counting capacity	0...9 999 999
Battery type	Lithium
Technology type	Electronic

Complementary

Backup time	7 years
Counting mode	Adding (input resistance 0.05 kOhm)
Input function	Counting
Input type	Transistor NPN ≤ 0.7 V DC Transistor PNP ≥ 5 V DC Volt-free contact
Input voltage	$\leq \pm 40$ V DC
Minimum pulse duration	0.00007 s at 7500 Hz counting frequency 0.015 s at 30 Hz counting frequency
Mounting mode	Flush-mounted
Mounting support	Panel mounting
Fixing mode	By clamp
Connections - terminals	Screw terminal block
Supply	Battery
Product weight	0.05 kg
CAD overall width	48 mm
CAD overall height	24 mm
CAD overall depth	40 mm

Environment

standards	EN 61010 EN/IEC 50081-2 EN/IEC 50082-2
IP degree of protection	IP54 conforming to EN/IEC 60529
ambient air temperature for operation	-10...50 °C
ambient air temperature for storage	-20...60 °C
vibration resistance	1 gn (f = 10...150 Hz) conforming to EN/IEC 60068-2-6
shock resistance	10 gn for 18 ms conforming to EN/IEC 60068-2-27
electrical shock protection class	Class II conforming to IEC 60536

Contractual warranty

Warranty period	18 months
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Electromechanical and Electronic Totalizing Counters

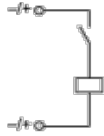
Dimensions, Flush-Mounting

Counters Dimensions	Flush-Mounting
XBKT50000U••M, XBKT70000U••M	
<p>mm in.</p> <p>64.2 2.53 75 2.95</p> <p>41.5 1.63 31 1.22</p>	<p>mm in.</p> <p>38.5 1.52 27 1.06</p>
XBKT60000U00M	
<p>mm in.</p> <p>33.7 1.33 42.3 1.67</p> <p>30 1.18 20 0.79</p>	<p>mm in.</p> <p>14.2 0.56 27^{+0.3} 1.06^{+0.012}</p>
XBKT60000U1•M	
<p>mm in.</p> <p>88 3.47 101.5 3.99</p> <p>60 2.36 38 1.5 50 1.97</p>	<p>mm in.</p> <p>2x24.3 2x20.17 29.5 1.16 55 2.17</p>
XBKT80000U00M	
<p>mm in.</p> <p>88 3.47 94 3.7</p> <p>60 2.36 38 1.5 50 1.97</p>	<p>mm in.</p> <p>2x24.3 2x20.17 29.5 1.16 55 2.17</p>
XBKT81030U33E	
<p>mm in.</p> <p>32 1.26 40 1.58</p> <p>48 1.89 24 0.95</p>	<p>mm in.</p> <p>45^{+0.1} 1.77^{+0.004} 22^{+0.3} 0.87^{+0.012}</p>
e: panel thickness, 1 mm < e < 2.5 mm / 0.039 in. < e < 0.098	

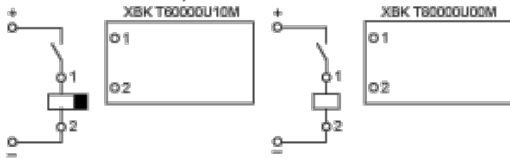
Wiring Diagrams of Electromechanical and Electronic Totalizing Counters

Counters with Mechanical Display

XBKT50000U**M, XBKT70000U00M



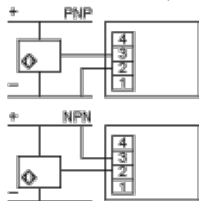
XBKT60000U1•M, XBKT80000U00M



Counters with LCD Display, Lithium Battery Supply

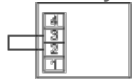
XBKT181030U33E

PNP Transistor, NPN Transistor



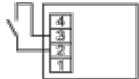
- 1: Keylock
- 2: 0 V
- 3: Count
- 4: Reset

Reset Key Locking Facility



- 1: Keylock
- 2: 0 V
- 3: Count
- 4: Reset

Volt-free Contact



- 1: Keylock
- 2: 0 V
- 3: Count
- 4: Reset