



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 in height
Maximum counting frequency	30 Hz 7500 Hz
Reset	Transistor Manual
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
Net weight	0.05 kg
CAD overall width	48 mm
CAD overall height	24 mm
CAD overall depth	40 mm

Environment

Standards	EN/IEC 50082-2 EN 61010 EN/IEC 50081-2
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	40 g
Package 1 Height	3 cm
Package 1 width	5 cm
Package 1 Length	6.4 cm

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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Electromechanical and Electronic Totalizing Counters

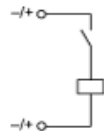
Dimensions, Flush-Mounting

Counters Dimensions	Flush-Mounting
XBKT50000U••M, XBKT70000U••M	
mm in. 64.2 2.53 75 2.95 41.5 1.63 31 1.22	mm in. 38.5 1.52 27 1.06
XBKT60000U00M	
mm in. 33.7 1.33 42.3 1.67 30 1.18 20 0.79	mm in. 27^{+1.1}₋₀ 1.06^{+0.003} 14.2 0.56
XBKT60000U1•M	
mm in. 88 3.47 101.5 3.99 60 2.36 38 1.5 50 1.97	mm in. 2xØ4.3 2xØ0.17 29.5 1.16 55 2.17
XBKT80000U00M	
mm in. 88 3.47 94 3.7 60 2.36 38 1.5 50 1.97	mm in. 2xØ4.3 2xØ0.17 29.5 1.16 55 2.17
XBKT81030U33E	
mm in. 32 1.26 40 1.58 48 1.89 24 0.95	mm in. 45^{+1.1} 1.77^{+0.003} 22^{+1.1} 0.87^{+0.003}
e: panel thickness, 1 mm < e < 2.5 mm / 0.039 in. < e < 0.098	

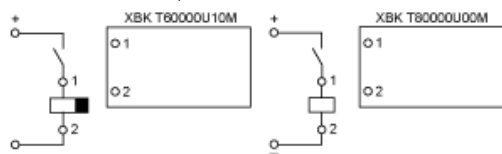
Wiring Diagrams of Electromechanical and Electronic Totalizing Counters

Counters with Mechanical Display

XBKT50000U••M, XBKT70000U00M



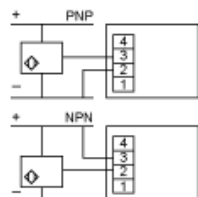
XBKT60000U1•M, XBKT80000U00M



Counters with LCD Display, Lithium Battery Supply

XBKT181030U33E

PNP Transistor, NPN Transistor



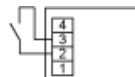
- 1: Keylock
- 2: 0 V
- 3: Count
- 4: Reset

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