

Product datasheet

Specifications



totalising counter - LCD 8 digit display - internal Li battery

XBKT81030U33E

⚠ Discontinued on: 21 June 2021

⚠ Discontinued

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 Height	3 cm
Package 1 Width	5 cm
Package 1 Length	6.4 cm
Package 1 Weight	40 g

Contractual warranty

Warranty	18 months
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Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

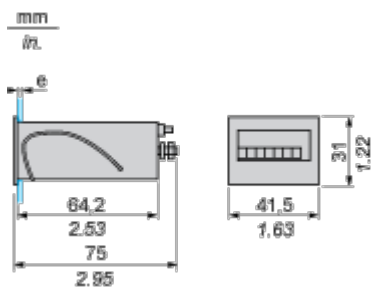
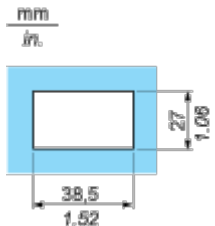
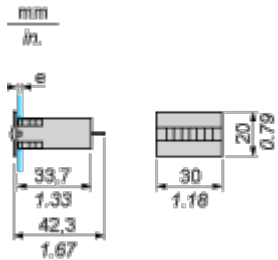
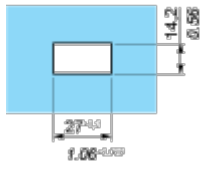
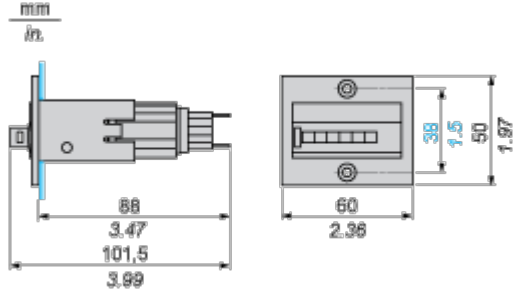
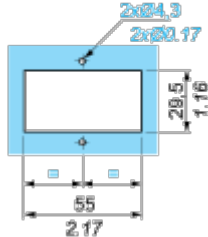
Well-being performance

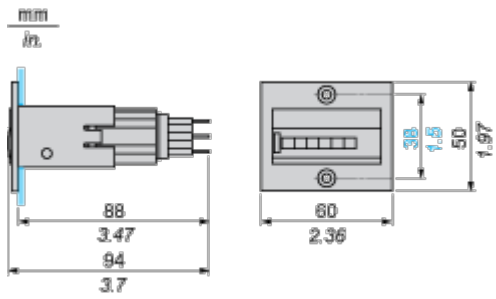
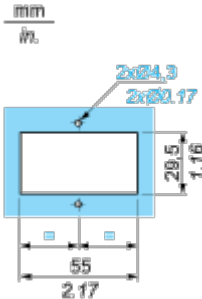
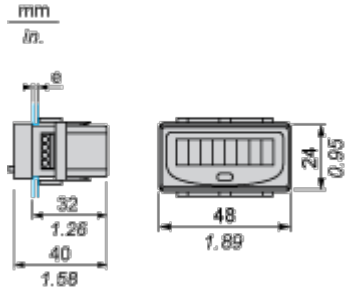
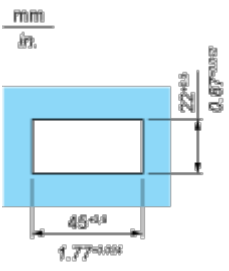
 Mercury Free	
 Rohs Exemption Information	Yes
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Electromechanical and Electronic Totalizing Counters

Dimensions, Flush-Mounting

Counters Dimensions	Flush-Mounting
XBKT50000U••M, XBKT70000U••M	
 <p>Technical drawing of XBKT50000U••M and XBKT70000U••M showing side and front views with dimensions in mm and inches.</p> <p>Side view dimensions (mm/in):</p> <ul style="list-style-type: none">Top width: 64.2 / 2.53Bottom width: 75 / 2.95Height: 31 / 1.22Mounting hole diameter: e <p>Front view dimensions (mm/in):</p> <ul style="list-style-type: none">Width: 41.5 / 1.63Height: 31 / 1.22	 <p>Technical drawing of XBKT50000U••M and XBKT70000U••M showing top view with dimensions in mm and inches.</p> <p>Top view dimensions (mm/in):</p> <ul style="list-style-type: none">Width: 38.5 / 1.52Height: 27 / 1.06
XBKT60000U00M	
 <p>Technical drawing of XBKT60000U00M showing side and front views with dimensions in mm and inches.</p> <p>Side view dimensions (mm/in):</p> <ul style="list-style-type: none">Top width: 33.7 / 1.33Bottom width: 42.3 / 1.67Height: 20 / 0.79Mounting hole diameter: e <p>Front view dimensions (mm/in):</p> <ul style="list-style-type: none">Width: 30 / 1.18Height: 20 / 0.79	 <p>Technical drawing of XBKT60000U00M showing top view with dimensions in mm and inches.</p> <p>Top view dimensions (mm/in):</p> <ul style="list-style-type: none">Width: 27 / 1.06Height: 14.2 / 0.56
XBKT60000U1•M	
 <p>Technical drawing of XBKT60000U1•M showing side and front views with dimensions in mm and inches.</p> <p>Side view dimensions (mm/in):</p> <ul style="list-style-type: none">Top width: 68 / 3.47Bottom width: 101.5 / 3.99Height: 38 / 1.5Mounting hole diameter: e <p>Front view dimensions (mm/in):</p> <ul style="list-style-type: none">Width: 60 / 2.36Height: 50 / 1.97	 <p>Technical drawing of XBKT60000U1•M showing top view with dimensions in mm and inches.</p> <p>Top view dimensions (mm/in):</p> <ul style="list-style-type: none">Width: 55 / 2.17Height: 28.5 / 1.16Mounting hole diameter: 2x24.3 / 2x0.96
XBKT80000U00M	

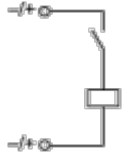
Counters Dimensions	Flush-Mounting
 <p>Technical drawings of the XBKT81030U33E terminal block showing side and front views with dimensions in mm and in.</p> <p>Side view dimensions (mm/in): 88 / 3.47, 94 / 3.7, 3.7.</p> <p>Front view dimensions (mm/in): 60 / 2.36, 38 / 1.5, 50 / 1.97.</p>	 <p>Technical drawing of the XBKT81030U33E terminal block showing the flush-mounting view with dimensions in mm and in.</p> <p>Dimensions (mm/in): 2x24.3 / 2x0.957, 29.5 / 1.16, 55 / 2.17.</p>
XBKT81030U33E	
 <p>Technical drawings of the XBKT81030U33E terminal block showing side and front views with dimensions in mm and in.</p> <p>Side view dimensions (mm/in): 32 / 1.26, 40 / 1.58, 1.58.</p> <p>Front view dimensions (mm/in): 48 / 1.89, 24 / 0.95.</p>	 <p>Technical drawing of the XBKT81030U33E terminal block showing the flush-mounting view with dimensions in mm and in.</p> <p>Dimensions (mm/in): 45^{+0.4} / 1.77^{+0.016}, 22^{+0.5} / 0.87^{+0.02}.</p>
e: panel thickness, 1 mm < e < 2.5 mm / 0.039 in. < e < 0.098	

Connections and Schema

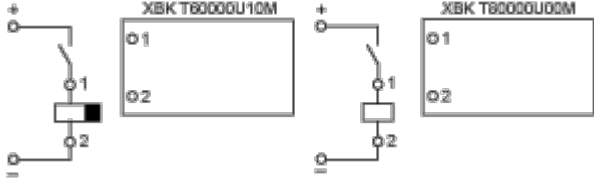
Wiring Diagrams of Electromechanical and Electronic Totalizing Counters

Counters with Mechanical Display

XBKT50000U••M, XBKT70000U00M



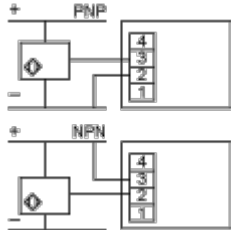
XBKT60000U1•M, XBKT80000U00M



Counters with LCD Display, Lithium Battery Supply

XBKT181030U33E

PNP Transistor, NPN Transistor



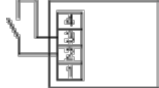
- 1: Keylock
- 2: 0 V
- 3: Count
- 4: Reset

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

