

General Description:

B 15..1 and B 16..1 are 5- resp. 6-digit adding counters with manual reset. B 15..0, B 16..0 and B 18..0 are adding counters 5, 6 and 8 digits resp. without reset. Counters without front panel fit into front frames F1B and F2B. The latter can accomodate combination of count with dimensions of 50 x 25 mm. They may be combined with preset counters of type series BVa, HVa and MVs 36.

Areas of application:

These units are suitable for all sorts of industrial applications, where low cost but reliable counters are required. They can be used to counter number of pieces, events periods etc.

Technical data:

Electrical connection:
silver-plated round pins Ø 1,6 with push-on connector (counting mechanism)
silver-plated tabs 0.8 x 2.8 (socket box)

Colour of figures:
White numbers on black background.

Size of figures:
B 15 – 2,4 x 4,5 mm
B 16 – 2 x 4,5 mm
B 18 – 2 x 4 mm

Colour of housing:

Grey (also available in black)

Mounting position: Any

Service Life: Approx. 200 x 10⁶ counts

Shafts: Stainless steel

Weights:

Non reset	81 g
Reset	83 g
Socket box	14 g

Rated Voltages:

On model 0, I and a:
12, 24, 48, 110, 220 VDC ± 10%
24, 48, 110, 220 VDC ± 10%

Hipotential test:

2000 V ~ effective according to VDE 0435

Acceleration influence:

3 g up to 10 Hz	} independent of mounting position
6 g up to 15 Hz	
10 g 20 – 300 Hz	

Transparent cover:

Protection IP 55 according to DIN 40050 front side.

Gasket:

Oil and gasoline resistant synthetic caoutchouc.

Options:

- Colour of housing: black (For Art.-No. ref. to type)
- Electrical connection:
Flat pins 0,8 x 2,8 mm with push-on connectors
Art.-No. 1.2X7.XXX.XXX
- Extended temperature range
- Key-locking zero-reset
- Knob-locking transparent cover
a) counter with front bezel size No. 3
Art.-No. 1.2X0.7XX.XXX
b) counter in front frame F1
Art.-No. 1.2X1.7XX.XXX
- Knob-locking transparent cover
a) counter with front bezel size No. 3
Art.-No. 1.2X0.8XX.XXX
b) counter in front frame F1
Art.-No. 1.2X1.8XX.XXX
- Flexible sealing cover K1
a) counter with front bezel size No. 3
Art.-No.1.2X0.6XX.XXX
b) counter in front frame F1
Art.-No. 1.2X1.6XX.XXX

Order information:

Art.-No.
If special voltage etc. are requested pls. state exact counter type, voltage, current and model. E. g. B 16.31, 4,5 VDC, 0.

Counting mechanism:

Voltage	Model	Max. impulse freq.	Min. impulse on time	Min. impulse interval	Impulse ratio	On time	Power consumption	Max. perm. ripple voltage	Ambient temp. °C
DC	0	10/sec.	60 ms	40 ms	3 : 2	100%	appr. 1 W	48%	- 10
	I	25/sec.	24 ms	16 ms	3 : 2	100%	appr. 2 W	48%	+ 60
AC	a	18/sec.	22.2 ms	33.3 ms	2 : 3	100%	appr. 2.9 VA	–	- 10 +55

Type Series:

without zero-reset			with zero-reset		Description:
5-digit	6-digit	8-digit	5-digit	6-digit	
B 15.00	B 16.00	B 18.00	B 15.01	B 16.01	without front bezel, rear mounting plugs into socket box 945.2
B 15.10	B 16.10	B 18.10	B 15.11	B 16.11	panel mount front bezel size No. 1, 2 mounting holes
B 15.20	B 16.20	B 18.20	B 15.21	B 16.21	panel mount with spring clip fastening
B 15.30	B 16.30	B 18.30	B 15.31	B 16.31	panel mount front bezel size No. 3, 2 mounting holes
F1 B 15.00	F1 B 16.00	F1 B 18.00	F1 B 15.01	F1 B 16.01	panel mount, plugs into front frame F1 with socket box 945.2
			Dv B 15.31	Dv B 16.31	panel mount, front bezel size No. 3 knob-locking transparent cover
			F1 Dv B 15.01	F1 Dv B 16.01	panel mount front frame F1, knob-locking transparent cover
			Dvs B 15.31	Dvs B 16.31	panel mount, front bezel size No. 3 key-locking transparent cover
			F1 Dvs B 15.01	F1 Dvs B 16.01	panel mount, front frame F1 key-locking transparent cover
			K1 B 15.31	K1 B 16.31	panel mount, front bezel size No. 3 flexible sealing cover K1

