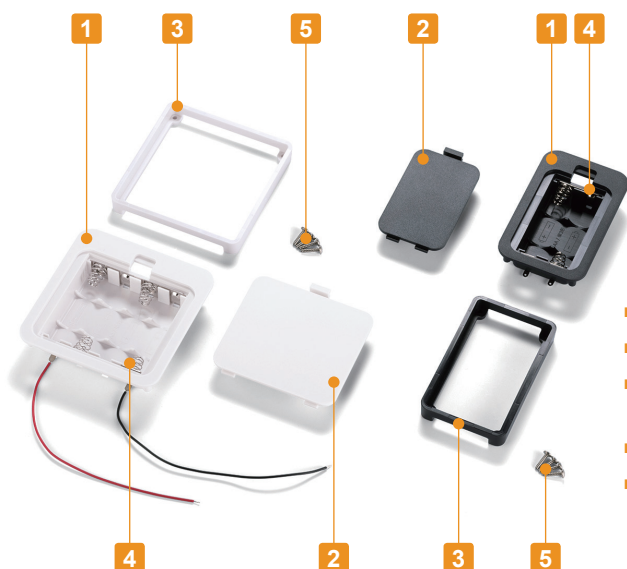




Technical Data

Operating temperature: -10°C ~ +60°C

Mount Example



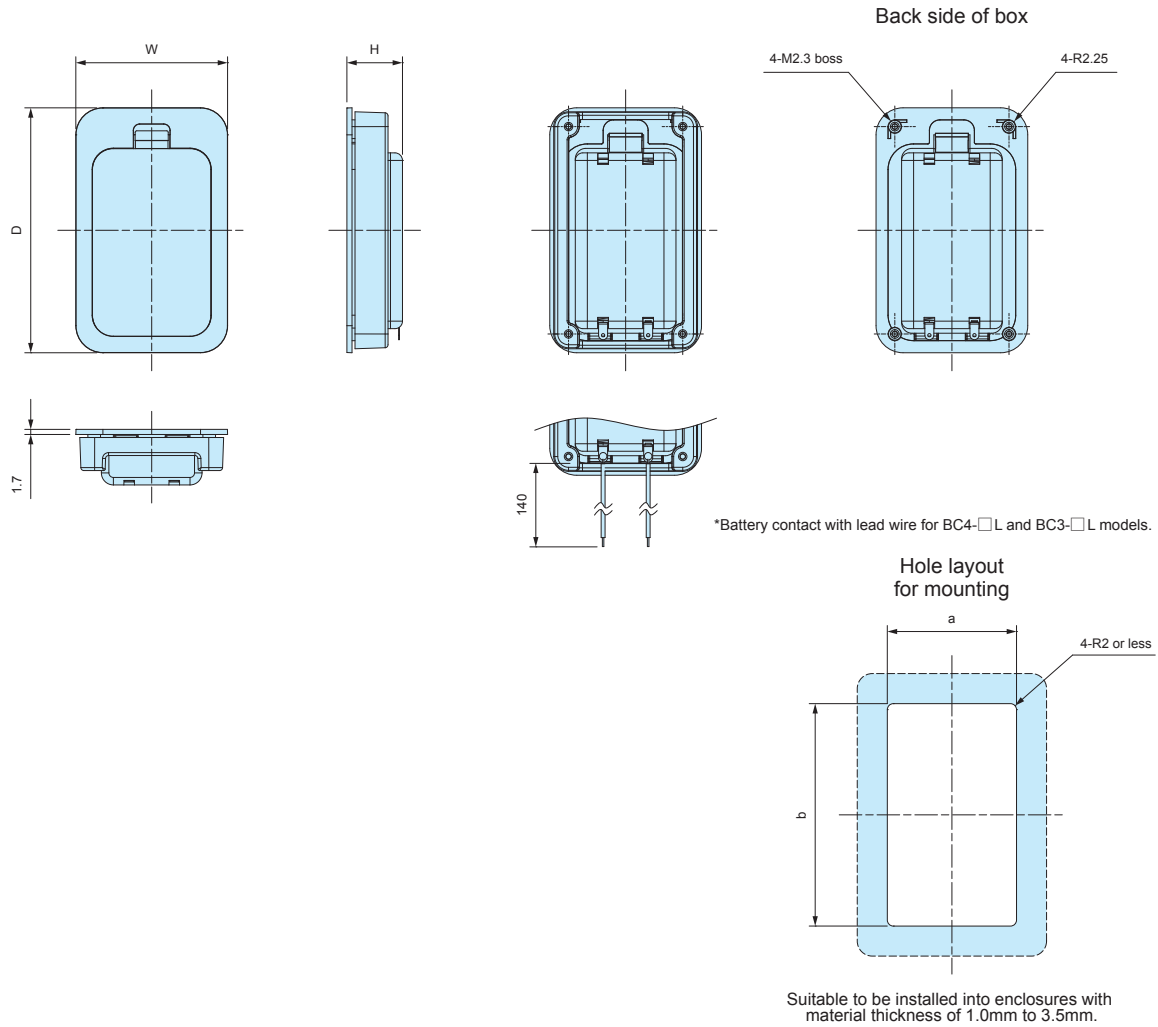
- Suitable to be installed into enclosures with material thickness of 1.0mm to 3.5mm.
- Cover can be opened/closed without any tool for easy battery replacement.
- 5 different battery layouts are available as AA x 2, AA x 3, AA x 4, AAA x 2 and AAA x4. Each layout comes in 2 models: with lead-wire, and without lead-wire.
- ⊕ ⊖ markings prevents incorrect placement of battery.
- The dimensions of alkaline or manganese batteries may vary depending on country and brand. Use optional battery cushion sponge to preventing rattling.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Box	1	ABS UL94V-0	Black • Off-white
2	Cover	1	ABS UL94V-0	Black • Off-white
3	Frame	1	ABS UL94V-0	Black • Off-white
4	Battery contact Lead wire (BC-L models)	1 set	Battery contact : Brass & steel wire Lead wire : PVC + Copper wire (UL1007 AWG26)	Nickel plated Black • Red
5	Self-tapping screw	4	Steel	Nickel plated

BC dimensions

- DXF/DWG/PDF/STP drawings available on our website.
- The shape and position of battery contacts vary by models.



Type: Without Lead Wire

Product no. / Dimensions

Product no.		Dimensions					Battery layout	Weight (g)
● Black	● Off-white	W	H	D	a	b		
BC4-2-B	BC4-2-W	40	14.8	78.5	32.5	71	*AAA x 2	24.5
BC4-4-B	BC4-4-W	62	14.8	78.5	54.5	71	*AAA x 4	34.5
BC3-2-B	BC3-2-W	50.5	18.5	81.5	43	74	*AA x 2	31.5
BC3-3-B	BC3-3-W	65.5	18.5	81.5	58	74	*AA x 3	39
BC3-4-B	BC3-4-W	80.5	18.5	81.5	73	74	*AA x 4	46

*Alkaline or manganese batteries

Type: With Lead Wire

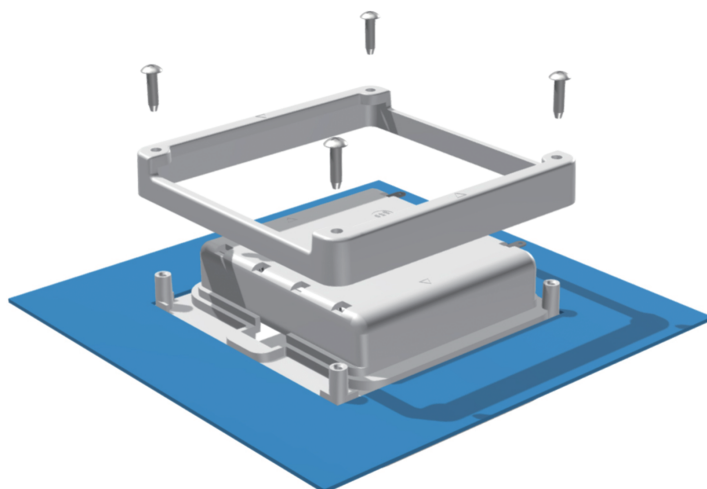
Product no. / Dimensions

Product no.		Dimensions					Battery layout	Weight (g)
● Black	● Off-white	W	H	D	a	b		
BC4-2L-B	BC4-2L-W	40	14.8	78.5	32.5	71	*AAA x 2	25.5
BC4-4L-B	BC4-4L-W	62	14.8	78.5	54.5	71	*AAA x 4	35.5
BC3-2L-B	BC3-2L-W	50.5	18.5	81.5	43	74	*AA x 2	32.5
BC3-3L-B	BC3-3L-W	65.5	18.5	81.5	58	74	*AA x 3	40
BC3-4L-B	BC3-4L-W	80.5	18.5	81.5	73	74	*AA x 4	47

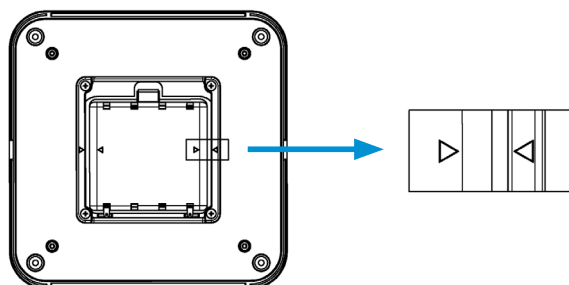
*Alkaline or manganese batteries

How to mount on the enclosures

- Insert battery box into the milled hole first, and fit the frame on the back side. Once mounted, secure the frame with screws.



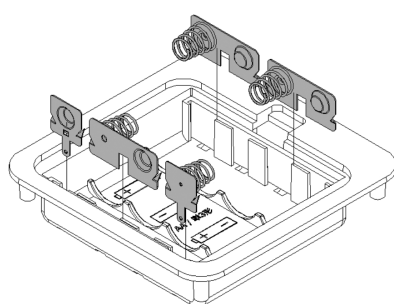
- For BC3-4□ models, ▷ markings are shown on the frame. Install by matching the markings.



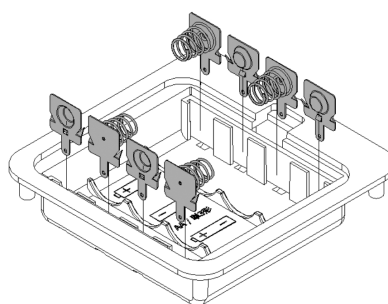
Parallel circuit conversion on BC series battery box

- BC-3□ models can be converted from a series to a parallel circuit. See below illustration for further details.
- IT series (IT-3 models) optional battery contacts can be used for parallel circuit conversion. (See website for more information)
- Use caution when installing or replacing the terminals to avoid the damage to the material.
- Parallel series conversion is available via our customization services.

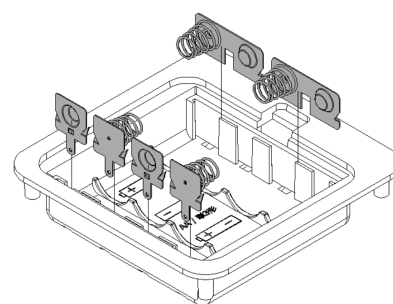
Conversion Example



Series Circuit (Standard)

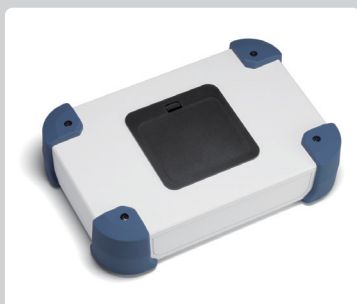


Parallel Circuit (4 batteries)



Parallel Circuit (2 batteries x 2)

Customization Available



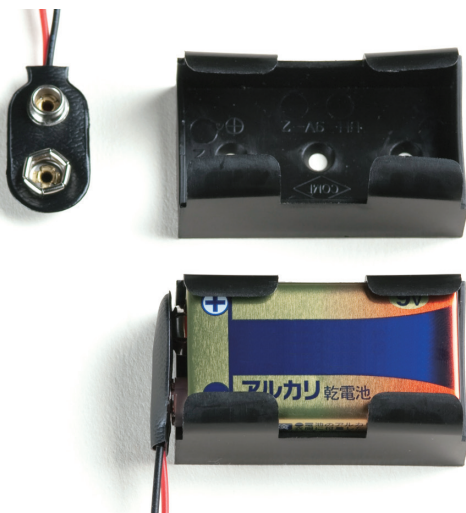
For more information, contact us here:

Online form: https://www.takachi-enclosure.com/custom/form_custom
E-mail : sales@takachi-el.co.jp

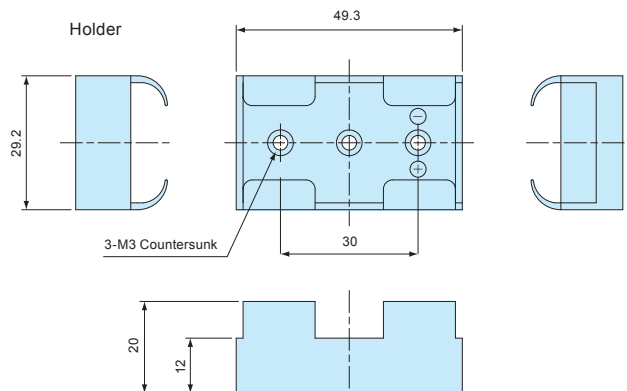
Mount Example



■ BC series battery boxes can also be mounted on aluminium enclosures.

BH-9V-2**9V BATTERY HOLDER**

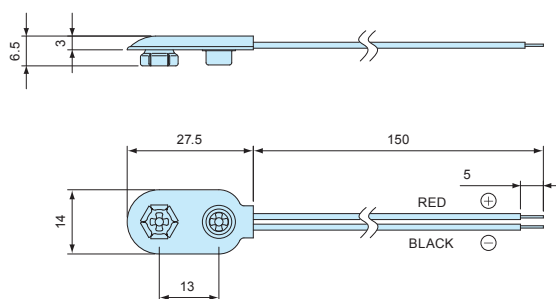
■ DXF/DWG/PDF drawings available on our website.



- 9V battery holder
- Battery snap comes with holder.

Technical Data

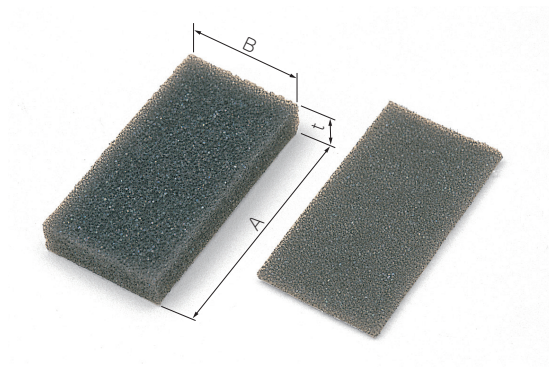
Operating temperature: -10°C ~ +60°C

Battery snap**Components**

Holder material	Holder color	Lead wire	Contact material	Battery snap cover	Contact surface finish
PP	Black	UL1007 AWG26 L=150	Brass	PVC	Nickel plated

Product no. / Feature

Product no.	Battery	Battery snap (included)	Weight (g)	Pack of
BH-9V-2	9V x 1	MP-1SN	6.8	1

SCM SERIES**BATTERY CUSHION SPONGE**

- Material : Moltoprene (UL94HF-1)

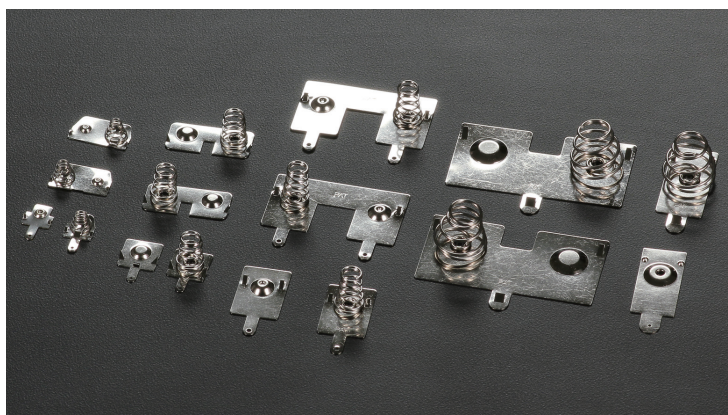
- Flame resistant moltoprene sponge with adhesive on the back side.
- Use to prevent battery from rattling inside the holder.

Suitable battery holder

Product no.	Suitable battery holder
SCM-1	MD-2, MD-4, MD-006P, LD-2, LD-3, LD-4, LDN-2, LDN-3, LDN-4
SCM-2	LD-006P, LDN-006P
SCM-3	MD-006P

Product no. / Dimensions

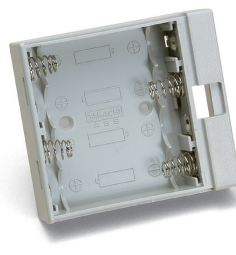
Product no.	A	B	t	Pack of
SCM-1	50	25	2	10
SCM-2	50	25	4	10
SCM-3	50	25	7.5	10



Installation Example



Installation Example



Components

Plate material	Plate finish	Spring material	Spring finish
Brass	Nickel plated	Stainless steel SUS304	Unfinished
		Steel wire	Nickel plated

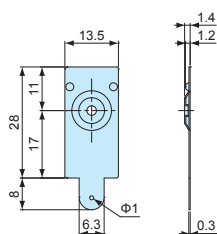
Product no. / Feature

Product no.	Spring diameter	Spring material	Matching battery / Details	Weight (g)	Pack of
IT-1SP	—	—	D : + (Positive)	1.2	10
IT-1SM	Φ1.0	Stainless steel SUS304	D : - (Negative)	2.5	10
IT-1WP	Φ1.0	Stainless steel SUS304	D : Left + (Positive) • Right - (Negative)	5.0	10
IT-1WM	Φ1.0	Stainless steel SUS304	D : Left - (Negative) • Right - (Positive)	5.0	10
IT-2SP	—	—	C : + (Positive)	0.9	10
IT-2SM	Φ0.7	Steel wire	C : - (Negative)	1.4	10
IT-2WP	Φ0.7	Steel wire	C : Left + (Positive) • Right - (Negative)	2.7	10
IT-2WM	Φ0.7	Steel wire	C : Left - (Negative) • Right - (Positive)	2.7	10
IT-3SP	—	—	AA : + (Positive)	0.4	10
IT-3SM	Φ0.6	Steel wire	AA : - (Negative)	0.7	10
IT-3WP	Φ0.6	Steel wire	AA : Left + (Positive) • Right - (Negative)	1.1	10
IT-3WM	Φ0.6	Steel wire	AA : Left - (Negative) • Right - (Positive)	1.1	10
IT-4SP	—	—	AAA : + (Positive)	0.2	10
IT-4SM	Φ0.5	Steel wire	AAA : - (Negative)	0.4	10
IT-4WP	Φ0.5	Steel wire	AAA : Left + (Positive) • Right - (Negative)	0.6	10
IT-4WM	Φ0.5	Steel wire	AAA : Left - (Negative) • Right - (Positive)	0.6	10

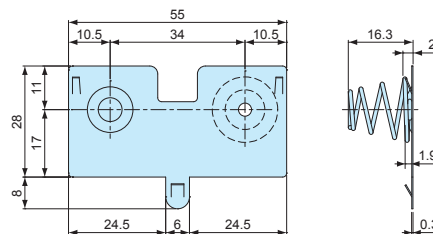
IT dimensions

■ DXF/DWG/PDF drawings available on our website.

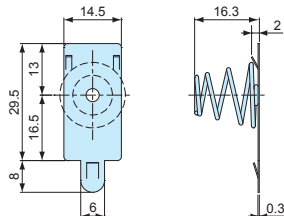
IT-1SP



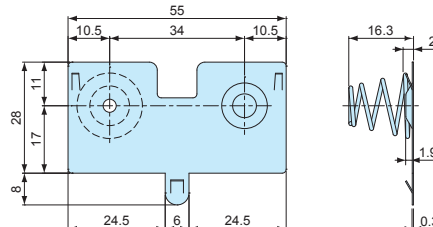
IT-1WP



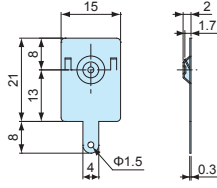
IT-1SM



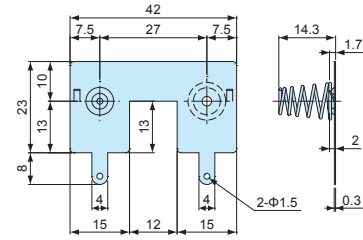
IT-1WM



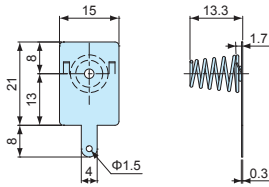
IT-2SP



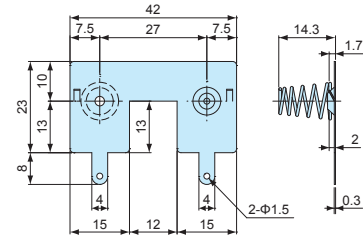
IT-2WP



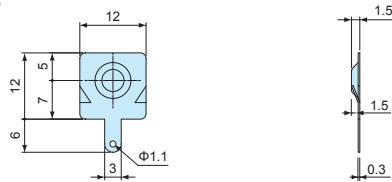
IT-2SM



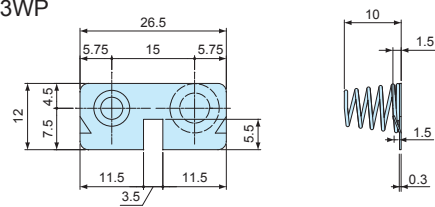
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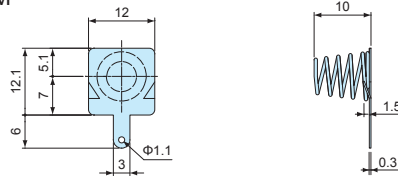
IT-3SP



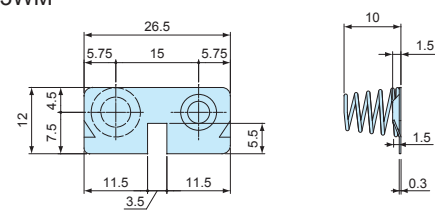
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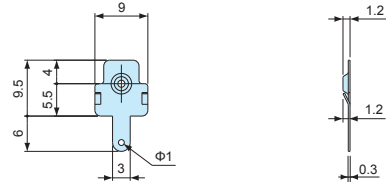
IT-3SM



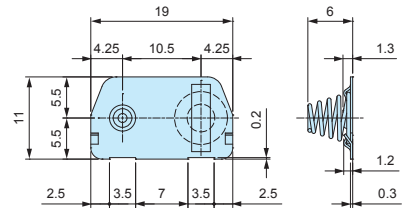
IT-3WM



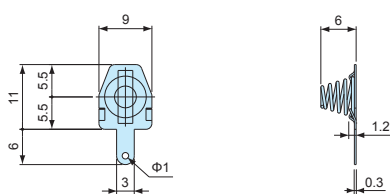
IT-4SP



IT-4WP



IT-4SM



IT-4WM

