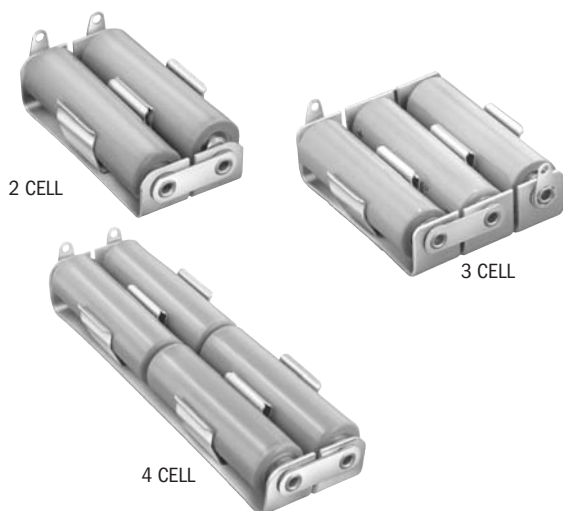


ALUMINUM HOLDERS CONNECTED IN SERIES

ELIMINATES WIRING · LABOR SAVING

Features pre-connected jumper strap insulated from the Aluminum base. Batteries held in series circuit without need of additional wiring.

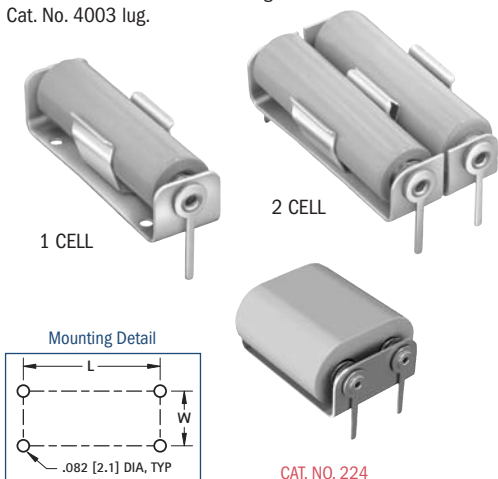


CAT. NO.	HOLDS NO. OF CELLS	BATTERY CROSS REFERENCE		
		IEC	ANSI/NEDA	
"AA" CELL		(BATTERY .531 (13.4) O.D. 1.906 (48.4) L SIZE .565 (14.5) 1.988 (50.5))		
146	2	LR6	15A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
147	3			
148	4			
"C" CELL		(BATTERY .875 (22.2) O.D. 1.875 (47.6) L SIZE 1.125 (28.6) 1.969 (50.0))		
149	2	LR14	14A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
150	3			
151	4			
"D" CELL		(BATTERY 1.187 (30.1) O.D. 2.312 (58.7) L SIZE 1.375 (34.9) 2.412 (61.3))		
152	2	LR20	13A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
153	3			
158	4			

ALUMINUM HOLDERS WITH PC LUGS

ELIMINATES WIRING · LABOR SAVING

For printed circuitry we have standardized our most popular holders with PC Lugs. Choice of single or multiple holders "AA" assembled with Cat. No. 4002 lug, "C" and "D" assembled with Cat. No. 4003 lug.

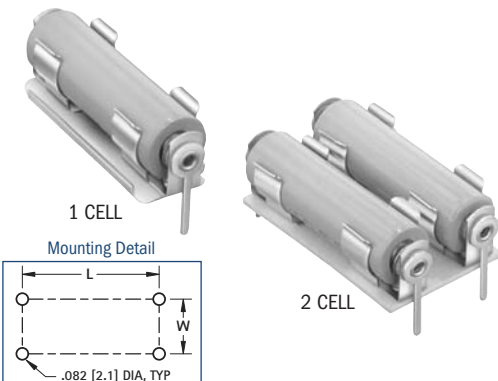


CAT. NO.	HOLDS NO. OF CELLS	MOUNTING HOLE DETAILS		BATTERY CROSS REFERENCE	
		L	W	IEC	ANSI/NEDA
"AA" CELL		(BATTERY .531 (13.4) O.D. 1.906 (48.4) L SIZE .565 (14.5) 1.988 (50.5))			
2222	1	2.250 (57.2)	—	LR6	15A
2223	2	2.250 (57.2)	.625 (15.9)		
"2/3A" CELL		1.557 (39.5)	—	CR17345	5018LC
"C" CELL		(BATTERY .875 (22.2) O.D. 1.875 (47.6) L SIZE 1.125 (28.6) 1.969 (50.0))			
2224	1	2.218 (56.3)	—	LR14	14A
2225	2	2.218 (56.3)	1.000 (25.4)		
"D" CELL		(BATTERY 1.187 (30.1) O.D. 2.312 (58.7) L SIZE 1.375 (34.9) 2.412 (61.3))			
2226	1	2.687 (68.3)	—	LR20	13A
2227	2	2.687 (68.3)	1.312 (33.3)		
"DL223A" - "6 VOLT" CELL		—	.648 (16.5)	CRP2	5024LC
224	1	—	.648 (16.5)	CRP2	5024LC

STEEL HOLDERS WITH PC LUGS

ELIMINATES WIRING · LABOR SAVING

For printed circuitry we have standardized our most popular holders with PC Lugs. Choice of single or multiple holders "AA" assembled with Cat. No. 4002 lug, "C" and "D" assembled with Cat. No. 4003 lug.



CAT. NO.	HOLDS NO. OF CELLS	MOUNTING HOLE PATTERN		BATTERY CROSS REFERENCE	
		L	W	IEC	ANSI/NEDA
"1/2AA" CELL		1.224 (31.1)	—	CR14250	—
"AA" CELL		(BATTERY .531 (13.4) O.D. 1.906 (48.4) L SIZE .565 (14.5) 1.988 (50.5))			
2228	1	2.203 (56.0)	—	LR6	15A
2229	2	2.203 (56.0)	.750 (19.1)		
"C" CELL		(BATTERY .875 (22.2) O.D. 1.875 (47.6) L SIZE 1.125 (28.6) 1.969 (50.0))			
2230	1	2.343 (59.5)	—	LR14	14A
2231	2	2.343 (59.5)	1.187 (30.2)		
"D" CELL		(BATTERY 1.187 (30.1) O.D. 2.312 (58.7) L SIZE 1.375 (34.9) 2.412 (61.3))			
2232	1	2.625 (66.7)	—	LR20	13A
2233	2	2.625 (66.7)	1.562 (39.7)		

RUGGED & LIGHTWEIGHT ALUMINUM BATTERY HOLDERS

ALUMINUM BATTERY HOLDERS



Lightweight yet strong, constructed of aircraft grade aluminum. Batteries snap-fit securely into clips.

Contacts: Brass, Nickel Plate

Lugs: Brass, Tin Plate

Frame and Battery Clips: Aluminum

Insulating Washers: Moisture Proof Resin impregnated fiber

MODIFICATIONS

We welcome the opportunity to quote on variations of standard items. Use our engineering service for your custom-built holders. Holders with PC and Quick-Fit terminals available on special order.

CAT. NO.	HOLDS NO. OF CELLS	FIG. NO.	BATTERY CROSS REFERENCE		
			IEC	ANSI/NEDA	MANUFACTURERS
"AAA" CELL			(BATTERY SIZE .375 (9.5) O.D. 1.673 (42.5) L) (.468 (11.9) O.D. 1.752 (44.5) L)		
137	1	1	LR03	24A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
138	2	3			
169	3	3			
170	4	3			
"AA" CELL			(BATTERY SIZE .531 (13.4) O.D. 1.906 (48.4) L) (.565 (14.5) O.D. 1.988 (50.5) L)		
139	1	1	LR6	15A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
140	2	3			
171	3	3			
182	4	3			
189	2	2			
192	4	4			
193	6	4			
"C" CELL			(BATTERY SIZE .875 (22.2) O.D. 1.875 (47.6) L) (1.125 (28.6) O.D. 1.969 (50.0) L)		
173	1	1	LR14	14A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
174	2	3*			
185	2	2			
187	3	3			
196	4	4**			
197	6	4			
"D" CELL			(BATTERY SIZE 1.187 (30.1) O.D. 2.312 (58.7) L) (1.375 (34.9) O.D. 2.412 (61.3) L)		
175	1	1	LR20	13A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
176	2	3*			
186	2	2			
190	3	3			
200	4	4**			
201	6	4			
205	6	4***			
"N" OR "A23" CELL			(BATTERY SIZE .375 (9.5) O.D. 1.110 (28.2) L) (.468 (11.9) O.D. 1.189 (30.2) L)		
154	1	1	LR1	910A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
155	2	3			
156	3	3			
LITHIUM "2/3A" CELL					
132	1	1	CR17345	5018LC	All major manufactures
"DL223A" - "6 VOLT" CELL					
223	1	3	CR-CRP2	5024LC	All major manufactures
"9 VOLT" BATTERY					
203P	REF. PAGE 31		6LR61	1604A, 1604LC, 11604 7.2H5	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
1290					
1290-79					
1290-66					

* 1 Single clip holds 2 batteries in place. ** 2 Clips hold 4 batteries in place. ***3 Clips hold 6 batteries in place.

FIG. 1



1 CELL

FIG. 2



2 CELL

FIG. 3



CAT. NO. 223

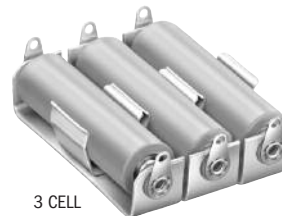


2 CELL

FIG. 4



4 CELL



3 CELL



6 CELL
CAT. NO. 193
CAT. NO. 197



4 CELL



6 CELL
CAT. NO. 205

RUGGED STEEL BATTERY HOLDERS



An established design that has gained wide acceptance for commercial and military applications. Batteries are held under constant spring tension assuring low contact resistance. Retainer clips are available to lock batteries in place and prevent shifting or loosening. Refer to page 10. Recommended for use where shock or severe vibration is encountered. Special fabrication for more than four batteries or variations from standard stock parts can be assembled to meet your requirements.

- Ideal for NiCd, Alkaline, NiMH, Carbon, Zinc and Lithium Cells
- Corrosion Resistant, Nickel Plate
- Brass Contacts, Nickel Plate
- Moisture Proof Resin Impregnated, Fibre Insulating Washers

FIG. 1 STAINLESS STEEL BASE. INSULATOR TUBES SUPPLIED FOR 2-3-4 CELLS (END TO END)

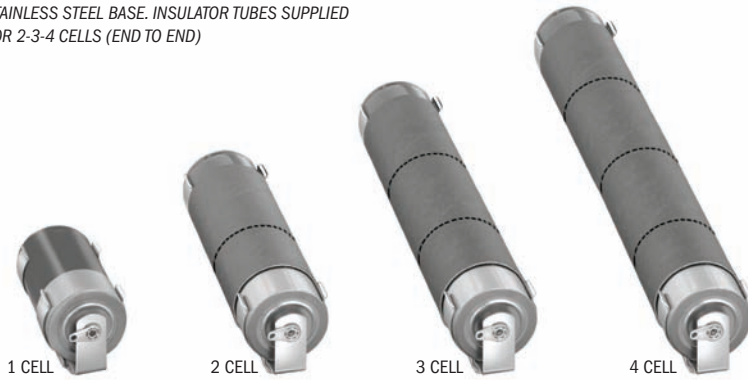


FIG. 2 STEEL BASE. LITHIUM (SINGLE CELL)

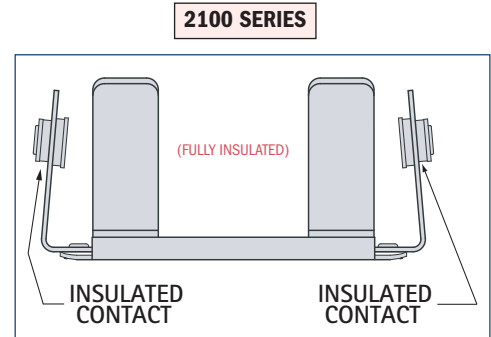
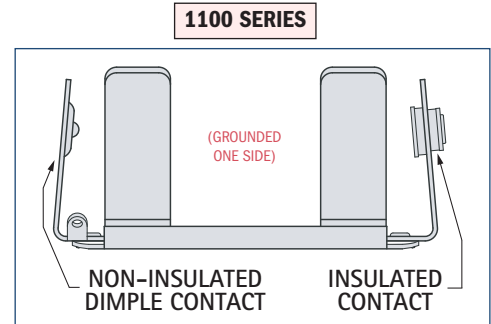


FIG. 3 PHENOLIC BASE FOR 2, 3, 4 CELLS (SIDE BY SIDE)



1100 SERIES	2100 SERIES	HOLDS NO. OF CELLS	FIG. NO.	BATTERY CROSS REFERENCE		
ONE CONTACT INSULATED CAT. NO.	ALL CONTACTS INSULATED CAT. NO.			IEC	ANSI/NEDA	BATTERY MANUFACTURERS
"AA" CELL				(BATTERY SIZE .531 (13.4) O.D. .565 (14.5))	(1.906 (48.4) L)	(1.988 (50.5) L)
1139	2139	1	1	LR6	15A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
—	2140*	2	3			
—	2171*	3	3			
—	2182*	4	3			
1189	2189	2	1			
1191	2191	3	1			
1194	2194	4	1			
"C" CELL				(BATTERY SIZE .875 (22.2) O.D. 1.125 (28.6))	(1.875 (47.6) L)	(1.969 (50.0) L)
1173	2173	1	1	LR14	14A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
—	2174*	2	3			
—	2187*	3	3			
—	2188*	4	3			
1185	2185	2	1			
1195	2195	3	1			
1198	2198	4	1			
"D" CELL				(BATTERY SIZE 1.187 (30.1) O.D. 1.375 (34.9))	(2.312 (58.7) L)	(2.412 (61.3) L)
1175	2175	1	1	LR20	13A	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
—	2176*	2	3			
—	2190*	3	3			
—	2192*	4	3			
1186	2186	2	1			
1199	2199	3	1			
1162	2162	4	1			
"1/2AA" LITHIUM CELL				(BATTERY SIZE .475 (12.1) O.D. .510 (13.0))	(.965 (24.5) L)	(.992 (25.2) L)
—	1103	1	2	CR11108	1406LC	Energizer 544, Duracell PX28L, Panasonic CR14250

*Clips mounted on .062 (1.57) thick Phenolic board.



MODIFICATIONS

We welcome the opportunity to quote on variations of standard items. Use our engineering service for your custom-built holders. Holders with PC and Quick-Fit terminals available on special order.