

Aluminium Enclosure Series CA

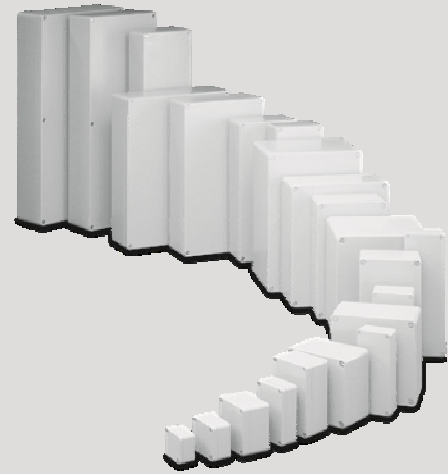
BERNSTEIN aluminium enclosures have a well proven record of success in encapsulating electrical, electronic or pneumatic components, while also being ideally suited for applications in potentially explosive atmospheres.

All enclosures comply with protection class IP66 according to DIN EN 60529 (optionally IP67).

BERNSTEIN aluminium enclosures feature earthing screws (copper-plated, M4 or M6) in the body and in the cover for connecting PE conductors. The surfaces under the earthing screws are left blank. The screws for mounting the covers on BERNSTEIN enclosures are made from stainless steel and are held captive by the self-latching hinge integrated in the cover. The protection class (on the standard enclosure) is ensured by a factory-fitted seal. BERNSTEIN aluminium enclosures are finished as standard in RAL 7001 (silver grey).

BERNSTEIN uses pressure die-casting or gravity die-casting moulds to manufacture the aluminium enclosures.

The mounting flanges or even the earthing socket on the inside of the enclosure can be used for mounting and securing built-in components (mounting rail, mounting plate, pc board etc.). These mounting points on the inside of the enclosures are located at different levels and in different positions. The dimensioned drawings on the following pages show the relevant positions.



Technical data

Material

Aluminium pressure die-casting or gravity die-casting

Seal

Foamed PUR seal
Neoprene (CR) round cord (silicone-free),
silicone round cord, EPDM round cord

Cover screws

Stainless steel, captive, cross recessed head

Optionally:

- Stainless steel, captive hexagon socket head cap screws
- Sealed cover screws, steel (9 S 20 K), slot head (on request)

Coating

Standard: RAL 7001 (silver grey)

Optionally:

- Special RAL colours
- Special coatings

Temperature range of CA enclosures, standard powder-coated finish

–30°C to +80°C

Please contact us for higher temperature ranges.

Temperature range of seals

Standard:

–40°C bis +100°C (PUR seal)

Alternatively:

–30°C to +80°C (Neoprene seal)

–60 °C to +130°C (silicone seal)

or rather –35°C to +100°C (EPDM seal)

Protection class

IP66

IP67 with PUR seal

Approbations

Germanischer Lloyd

c UL us (Label on demand)

ATEX



Aluminium enclosure						
Dimensions/mm				Article number	Type	
L	x	W	x			H
50	x	45	x	30	1020000000	CA-020
58	x	64	x	36	1060000000	CA-060
98	x	64	x	36	1080000000	CA-080
150	x	64	x	36	1100000000	CA-100
75	x	80	x	57	1130000000	CA-130
75	x	80	x	57	1140000000	CA-140
125	x	80	x	57	1150000000	CA-150
125	x	80	x	57	1160000000	CA-160
175	x	80	x	57	1170000000	CA-170
175	x	80	x	57	1180000000	CA-180
250	x	80	x	57	1190000000	CA-190
122	x	122	x	80	1210000000	CA-210
122	x	122	x	90	1210000050	CA-215
122	x	122	x	80	1220000000	CA-220
220	x	122	x	80	1230000000	CA-230
220	x	122	x	90	1230000050	CA-235
220	x	122	x	80	1240000000	CA-240
360	x	122	x	80	1250000000	CA-250
160	x	160	x	90	1270000000	CA-270
160	x	160	x	90	1280000000	CA-280
260	x	160	x	90	1290000000	CA-290
260	x	160	x	90	1300000000	CA-300
360	x	160	x	90	1310000000	CA-310
560	x	160	x	90	1330000000	CA-330
200	x	230	x	110	1350000000	CA-350
200	x	230	x	180	1360000000	CA-360
280	x	230	x	110	1370000000	CA-370
330	x	230	x	110	1380000000	CA-380
330	x	230	x	180	1390000000	CA-390
401	x	230	x	110	1400000000	CA-400
600	x	230	x	110	1420000000	CA-420
402	x	310	x	110	1450000000	CA-450
402	x	310	x	180	1460000000	CA-460
600	x	310	x	110	1470000000	CA-470
600	x	310	x	180	1480000000	CA-480