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Watertight Diecast Aluminum Enclosures w/ Flanges 1550ZF Series

IP68 Tested, cUL & UL Listed, Thick Wall

NEW



Key Features:

- Thick-wall diecast aluminum watertight electronic instrument enclosure.
- Rugged diecast aluminum alloy is tough yet easy to machine.
- Two piece tongue and groove construction for protection against access of dust and water.
- Strong spot-welded bottom flange allows for easy mounting.
- Unpainted version is vibra finished for a smooth surface with no sharp edges.
- Textured black version is coated with tough polyester powder for a lasting finish, even after machining. Finish is applied outside and inside the enclosure.
- Lid is secured with either two, four, or six stainless steel Philips head machine screws, depending on enclosure size.
- Lid screws are outside the gasket protection area to eliminate the need for o-rings.
- Lid screws are self-captivating on six sizes: **1550Z107F**, **1550Z108F**, **1550Z116F**, **1550Z117F**, **1550Z137F**, and **1550Z139F**. Lid holes are slightly undersized and threaded with the first installation.
- Gasket is pre-formed, one-piece silicone rubber and installs easily into lid groove.
- Gasket has a temperature rating of -40°C to +150°C (-40°F to 302°F).
- No internal ribs for easy installation of connectors without interference or additional milling.

Ratings:

- cUL and UL listed under file #E71073.
- Independently tested to meet IP66, IP67, and IP68 as well as NEMA Type 4, 4X, 12 and 13 ratings.
 - Customers should conduct their own testing to determine suitability for any specific application.
- All sizes except **1550Z101F** carry an impact rating of IK08 per IEC62262.

Photo Features:



Unfinished versions are vibra-finished for a smooth outer surface.



Black versions are finished with a tough, textured black powder coat.



Powder coated versions are finished inside and out, with cleared areas around the internal grounding points.

Accessories

- Breather Kit
- Small Rainproof Ventilator
- Pressure Compensation Plug
- Liquid-Tight Cordgrips (Nylon)

Enclosures

Part Number	Color	Length (mm)	Width (mm)	Total Depth (mm)	Lid Height (mm)	Replacement Lid	Compatible Ground	Replacement Gaskets
						Screw Pack	Screw Pack	(Pair)
1550Z101F	Unpainted	50	45	30	6	SC1550Z103-50	SCG060-50	1550Z101GASKET
1550Z101FBK	Black	50	45	30	6	SC1550Z103-50	SCG060-50	1550Z101GASKET
1550Z104F	Unpainted	64	58	35	5	SC1550Z103-50	SCG060-50	1550Z104GASKET
1550Z104FBK	Black	64	58	35	5	SC1550Z103-50	SCG060-50	1550Z104GASKET
1550Z102F	Unpainted	90	36	30	5	SC1550Z102-50	SCG060-50	1550Z102GASKET
1550Z102FBK	Black	90	36	30	5	SC1550Z102-50	SCG060-50	1550Z102GASKET
1550Z103F	Unpainted	98	64	34	9	SC1550Z103-50	SCG060-50	1550Z103GASKET
1550Z103FBK	Black	98	64	34	9	SC1550Z103-50	SCG060-50	1550Z103GASKET
1550Z106F	Unpainted	115	65	30	5	SC1550Z103-50	SCG060-50	1550Z106GASKET
1550Z106FBK	Black	115	65	30	5	SC1550Z103-50	SCG060-50	1550Z106GASKET
1550Z111F	Unpainted	115	65	55	5	SC1550Z103-50	SCG060-50	1550Z106GASKET
1550Z111FBK	Black	115	65	55	5	SC1550Z103-50	SCG060-50	1550Z106GASKET
1550Z113F	Unpainted	115	90	55	5	SC1550Z103-50	SCG060-50	1550Z113GASKET
1550Z113FBK	Black	115	90	55	5	SC1550Z103-50	SCG060-50	1550Z113GASKET
1550Z137F	Unpainted	121	121	102	20.5	SC1550Z116-30	SCG060-50	1550Z137GASKET
1550Z137FBK	Black	121	121	102	20.5	SC1550Z116-30	SCG060-50	1550Z137GASKET
1550Z107F	Unpainted	125	80	41	16	SC1550Z107-50	SCGM4-50	1550Z107GASKET
1550Z107FBK	Black	125	80	41	16	SC1550Z107-50	SCGM4-50	1550Z107GASKET
1550Z108F	Unpainted	125	80	59	16	SC1550Z107-50	SCGM4-50	1550Z107GASKET
1550Z108FBK	Black	125	80	59	16	SC1550Z107-50	SCGM4-50	1550Z107GASKET
1550Z115F	Unpainted	148	108	75	10	SC1550Z103-50	SCG060-50	1550Z115GASKET
1550Z115FBK	Black	148	108	75	10	SC1550Z103-50	SCG060-50	1550Z115GASKET
1550Z109F	Unpainted	150	64	36	10	SC1550Z103-50	SCG060-50	1550Z109GASKET
1550Z109FBK	Black	150	64	36	10	SC1550Z103-50	SCG060-50	1550Z109GASKET
1550Z139F	Unpainted	159	159	102	20.5	SC1550Z116-30	SCG060-50	1550Z139GASKET
1550Z139FBK	Black	159	159	102	20.5	SC1550Z116-30	SCG060-50	1550Z139GASKET
1550Z116F	Unpainted	160	100	60	20	SC1550Z116-30	SCGM4-50	1550Z116GASKET
1550Z116FBK	Black	160	100	60	20	SC1550Z116-30	SCGM4-50	1550Z116GASKET
1550Z117F	Unpainted	160	100	81	20	SC1550Z116-30	SCGM4-50	1550Z116GASKET
1550Z117FBK	Black	160	100	81	20	SC1550Z116-30	SCGM4-50	1550Z116GASKET
1550Z120F	Unpainted	171	121	55	10	SC1550Z103-50	SCG060-50	1550Z120GASKET
1550Z120FBK	Black	171	121	55	10	SC1550Z103-50	SCG060-50	1550Z120GASKET
1550Z124F	Unpainted	222.5	146.5	55	5	SC1550Z103-50	SCG060-50	1550Z124GASKET
1550Z124FBK	Black	222.5	146.5	55	5	SC1550Z103-50	SCG060-50	1550Z124GASKET
1550Z220F	Unpainted	222.5	146.5	82.5	32.5	SC1550Z220-30	SCG060-50	1550Z124GASKET
1550Z220FBK	Black	222.5	146.5	82.5	32.5	SC1550Z220-30	SCG060-50	1550Z124GASKET

Tags: thick wall, diecast, outdoor, continuous gasket, nema, screw down cover, welded, watertight, flanged, mounting flanges, mountable, mounting bracket, box

Data subject to change without notice

Mouser Electronics

Authorized Distributor

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[1550Z120FBK](#) [1550Z108F](#) [1550Z137F](#) [1550Z103FBK](#) [1550Z104FBK](#) [1550Z103F](#) [1550Z102FBK](#) [1550Z111F](#)
[1550Z104F](#) [1550Z108FBK](#) [1550Z109F](#) [1550Z101FBK](#) [1550Z120F](#) [1550Z106F](#) [1550Z139F](#) [1550Z115FBK](#)
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