

Aluminum Box

Nomenclature

SG - **AL** - **6171** - **48**

① ② ③

① Product name
Aluminum Box

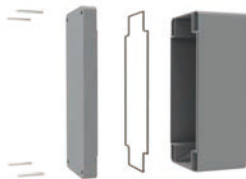
② Product size (mm)
Width x length

③ Product height
Height



Feature

UL approved product
Packaging in polyurethane materials using a Forming Machine provides waterproofing and dustproofing effects.



Volts- Covers-Polyurethane packaging- consists of a base
Mounting plates are available separately.
(No mounting plate for SG-AL-6171-48 /7093-52 models)

Product Specifications

Color: Gray
Tolerance: $\pm 1\text{mm}$
Thickness: 3.5T ~ 4T
Operating temperature: $-20^{\circ}\text{C} \sim +180^{\circ}\text{C}$
Protection rating: IP67
Material: Aluminum (AL 12 types)

Safety Specifications



Description

Aluminum boxes are basic junction boxes made from aluminum casting, and are mainly used in industrial machinery, robotics, welding machines or automobiles, petrochemical plant facilities, oil supplies and gas supply facilities. Aluminum boxes are easy to install and come in a variety of sizes tailored to the customer's needs, so they can be used in practical ways that serve the user's convenience, and have obtained ROHS certification and UL certification, confirming the safe use of the product.

Model	Size(mm)	Weight(g)
SG-AL-6171-48	61 X 71 X 48	220
SG-AL-7093-52	70 X 93 X 52	249
SG-AL-1270-52	70 X 128 X 52	360
SG-AL-1111-52	110 X 110 X 52	398
SG-AL-1770-55	70 X 172 X 55	435
SG-AL-1214-62	125 X 145 X 62	566
SG-AL-8023-08	80 X 235 X 80	844
SG-AL-1219-08	125 X 190 X 80	944

Model	Size(mm)	Weight(g)
SG-AL-1010-08	100 X 100 X 80	580
SG-AL-1212-08	120 X 120 X 80	690
SG-AL-1222-09	125 X 223 X 90	1314
SG-AL-1616-09	160 X 160 X 90	1205
SG-AL-1621-10	160 X 210 X 100	1623
SG-AL-1626-09	161 X 263 X 90	1699
SG-AL-2333-12	230 X 330 X 120	3997
SG-AL-2333-18	230 X 330 X 180	5237

ATEX Aluminum Box

Nomenclature

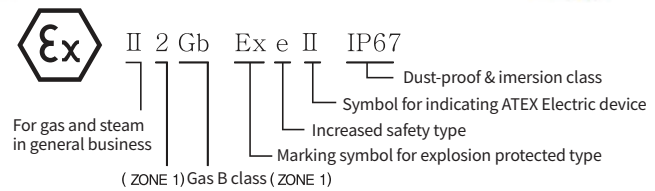
SG - **AL** - **6171** - **48**

① ② ③

① **Product name**
ATEX Aluminum Box

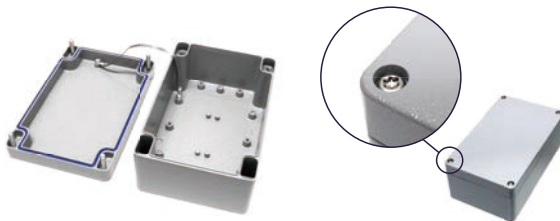
② **Product size (mm)**
Width x length

③ **Product height**
Height



Feature

ATEX explosion proof accreditation
 Ground terminal connection
 (No ground connection line for AL - 7093 - 52, 1270-52, and 1770-55)
 Use star L wrench, waterproof, dustproof
 Mounting plates are available separately.



Product Specifications

Product Specifications
 Color: Gray
 Tolerance: $\pm 1\text{mm}$
 Thickness: 3.5T ~ 4T
 Operating temperature: $-20^{\circ}\text{C} \sim +180^{\circ}\text{C}$
 Protection rating: IP67
 Material: Aluminum (AL 12 types)

Safety Specifications



Description

The ATEX aluminum explosion proof box is a product that has obtained ATEX explosion proof certification and is used for a range of purposes in various industries, including factory warehouses. It is additionally coated after polarization for protection. The ATEX aluminum explosion box is rated IP67 for protection against dust, and is waterproof for 30 minutes to a depth of 1 meter. The ATEX aluminum explosion proof box is available in 12 different sizes for a variety of applications where explosion proofing is required.

Model	Size(mm)	Weight
SG-AL-6171-48	61 X 71 X 48	220 g
SG-AL-7093-52	70 X 93 X 52	249 g
SG-AL-1270-52	70 X 128 X 52	360 g
SG-AL-1111-52	110 X 110 X 52	398 g
SG-AL-1770-55	70 X 172 X 55	435 g
SG-AL-1214-62	125 X 145 X 62	566 g

Model	Size(mm)	Weight
SG-AL-8023-08	80 X 235 X 80	844 g
SG-AL-1219-08	125 X 190 X 80	994 g
SG-AL-1212-08	120 X 120 X 80	690 g
SG-AL-1222-09	125 X 223 X 90	1314 g
SG-AL-1616-09	160 X 160 X 90	1205 g
SG-AL-1626-09	161 X 263 X 90	1699 g

Aluminum Terminal Box

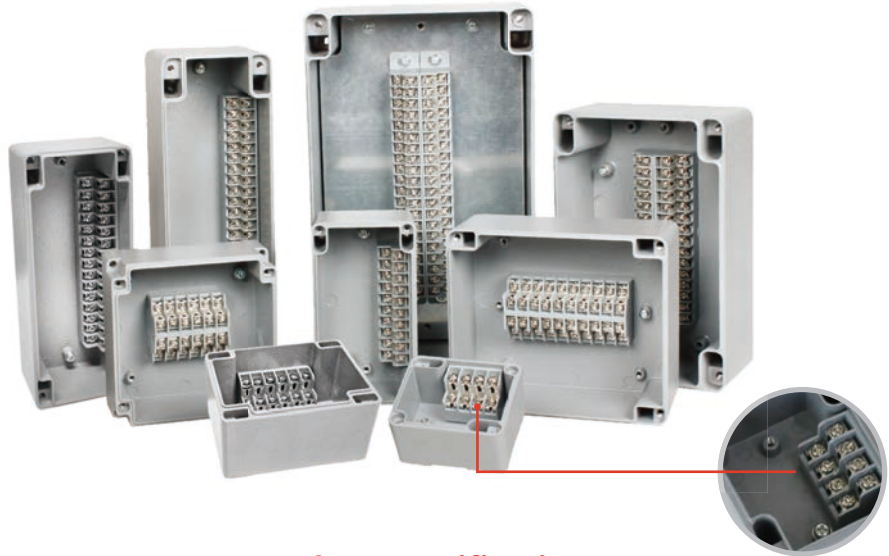
Nomenclature

SG - **AL** - **4P**

① ②

① **Product name**
Aluminum Terminal Box

② **Number of pins**
4 - 50 Pin



Feature

This is all-in-one type terminal with various sizes and terminal types, and its polyurethane foaming is effective for waterproofing and dust proofing, and is highly productive and efficient.

Electrical Specifications

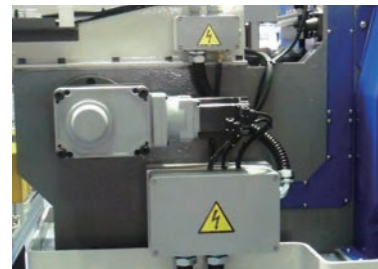
Allowable current: 10A
Rated frequency: 50Hz
Rated input voltage: AC250 Volts
Withstand voltage: 1880V / 1 minute

Safety Specifications



Product Specifications

Color: Gray
Tolerance: $\pm 1\text{mm}$
Thickness: 3.5T ~ 4T
Operating temperature: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Protection rating: IP67
Material: Aluminum (AL 12 types),
ABS incombustible (Terminal Block)



Description

The aluminum terminal box is an integrated junction box with terminals located inside the box. Our aluminum terminals are manufactured from aluminum (AL 12 type) with a standard rating of 10 Amp to 250 V, and the exterior is painted in gray. Just like our aluminum boxes, the aluminum terminal boxes are packed with polyurethane gasket foaming, providing excellent waterproofing and dust proofing, and are used in a wide range of industrial machinery, robotics, commercial wiring and low voltage control systems.

Model	Size(mm)	Weight(g)
SG - AL - 4P	61 X 71 X 48	239
SG - AL - 6P	70 X 93 X 52	283
SG - AL - 10P	70 X 128 X 52	374
SG - AL - 12P	110 X 110 X 52	482
SG - AL - 15P	70 X 172 X 55	529
SG - AL - 20P	125 X 145 X 62	669

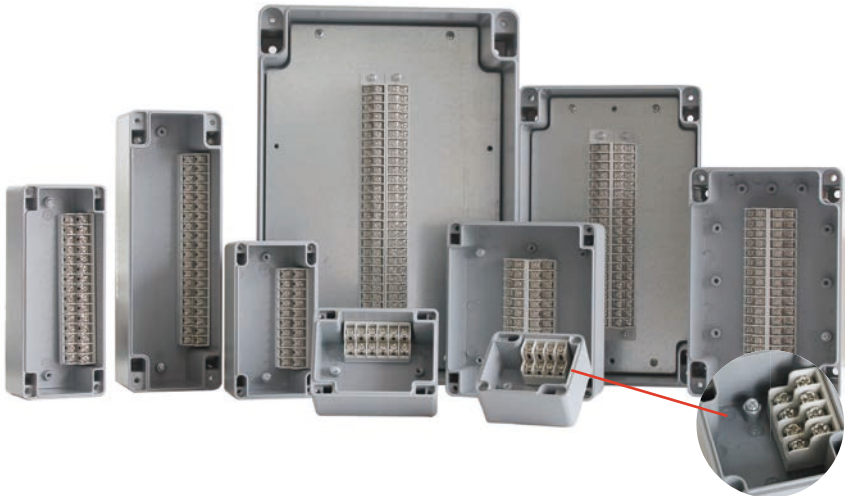
Model	Size(mm)	Weight(g)
SG - AL - 20PT	80 X 235 X 80	957
SG - AL - 30P	125 X 190 X 80	1205
SG - AL - 40P	161 X 263 X 90	1822
SG - AL - 50P -S	161 X 263 X 90	2447
SG - AL - 50P -L	230 X 330 X 120	5237

Heat-resisting Aluminum Terminal Box

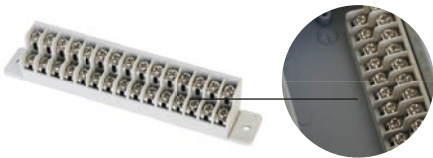
Nomenclature

SG - **HL** - **4P**
① ②

- ① Product name
Heat-resisting Aluminum Terminal Box
- ② Number of pins
4 - 50 Pin



Feature



Use of heat-resistant terminals that can be used in temperatures up to 400°C.
Able to work in hotter environments than the AL aluminum series.

Product Specifications

Color: Box - Gray / Terminal Block - Ivory
Tolerance: ± 1mm
Thickness: 3.5T ~ 4T
Operating temperature: -20°C ~ +180°C
Protection rating: IP67 / NEMA 12X
Material: Aluminum (AL 12 types),
heat-resistant material (Terminal Block)

Electrical Specifications

Allowable current: 10 A
Rated frequency: 50Hz
Rated input voltage: AC 250 Volts
Withstand voltage: 1880V / 1 minute

Safety Specifications

RoHS

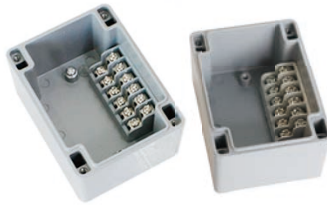
Description

The heat-resistant aluminum terminal box uses a heat-resistant terminal stand in a box made of aluminum castings, making it more heat-resistant than other terminal boxes, which allows it to be used in environments with higher ambient temperatures. Like the aluminum terminal box of SEGIBIZ it is made to the same standard rating, has excellent waterproof and dust proof effects, and is the same size, so it can be used in various industrial facilities that require heat-resistance.

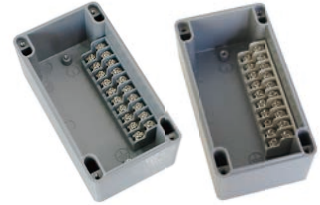
Model	Size(mm)	Weight(g)	Model	Size(mm)	Weight(g)
SG-HL-4P	61 X 71 X 48	239	SG-HL-20PT	80 X 235 X 80	957
SG-HL-6P	70 X 93 X 52	283	SG-HL-30P	125 X 190 X 80	1205
SG-HL-10P	70 X 128 X 52	374	SG-HL-40P	161 X 263 X 90	1822
SG-HL-12P	110 X 110 X 52	482	SG-HL-50P -S	161 X 263 X 90	2447
SG-HL-15P	70 X 172 X 55	529	SG-HL-50P -L	230 X 330 X 120	5237
SG-HL-20P	125 X 145 X 62	669			

**SG - AL / HL - 4P**

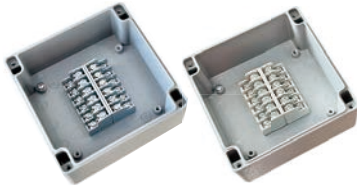
- Size(mm) : 61 X 71 X 48
- Weight : 239g
- Allowable current : 10 A

**SG - AL / HL - 6P**

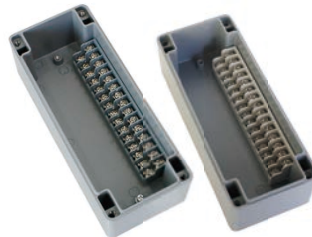
- Size(mm) : 70 X 93 X 52
- Weight : 283g
- Allowable current : 10 A

**SG - AL / HL - 10P**

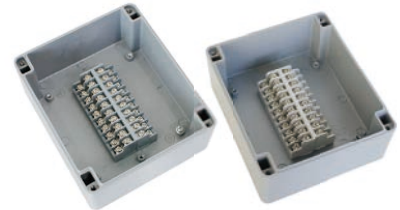
- Size(mm) : 70 X 128 X 52
- Weight : 374g
- Allowable current : 10 A

**SG - AL / HL - 12P**

- Size(mm) : 110 X 110 X 52
- Weight : 482g
- Allowable current : 10 A

**SG - AL / HL - 15P**

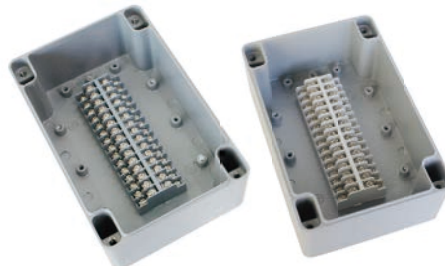
- Size(mm) : 70 X 172 X 55
- Weight : 529g
- Allowable current : 10 A

**SG - AL / HL - 20P**

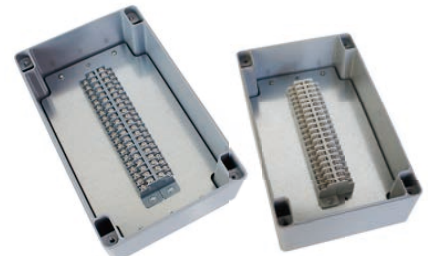
- Size(mm) : 125 X 145 X 62
- Weight : 669g
- Allowable current : 10 A

**SG - AL / HL - 20PT**

- Size(mm) : 80 X 235 X 80
- Weight : 957g
- Allowable current : 10 A

**SG - AL / HL - 30P**

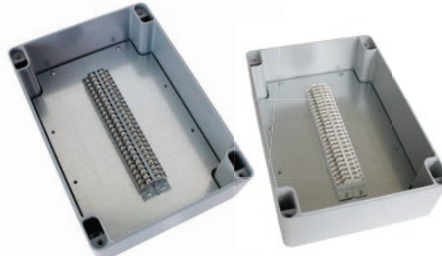
- Size(mm) : 125 X 190 X 80
- Weight : 1205g
- Allowable current : 10 A

**SG - AL / HL - 40P**

- Size(mm) : 161 X 263 X 90
- Weight : 1822g
- Allowable current : 10 A

**SG - AL / HL - 50P - S**

- Size(mm) : 161 X 263 X 90
- Weight : 2447g
- Allowable current : 10 A

**SG - AL / HL - 50P - L**

- Size(mm) : 230 X 330 X 120
- Weight : 5237g
- Allowable current : 10 A

MEMO

Aluminum Push Button Box

Nomenclature

SG - **CB** - **22** **01**

① ② ③

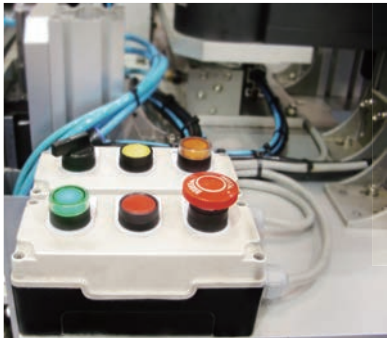
- ① Product name
Aluminum Control Box
- ② Hole size
Hole-free / Ø22 / Ø25 / Ø30
- ③ Number of holes
1 / 2 / 3 / 4 holes



Feature

UL approved product
The aluminum push button box has a hole (Ø22 / Ø25 / Ø30) in the cover, enabling the switch to be installed without a separate process.

Example of use



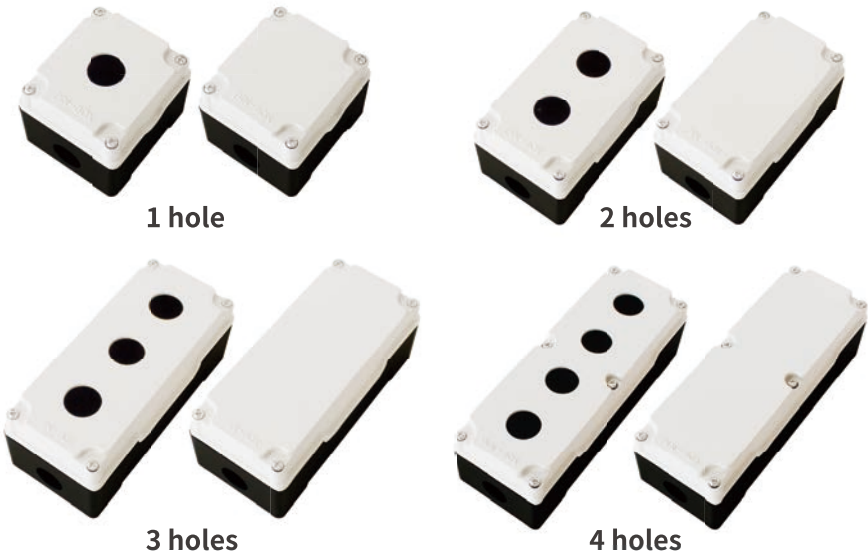
Safety Specifications



RoHS

Product Specifications

Color: Base – Black / Cover – White
Tolerance: ± 1mm
Operating temperature: -20°C ~ +180°C
Hole size: 22mm / 25mm / 30mm
Material: Aluminum (AL 12 types)



Hole	Ø	Model	Size(mm)	Weight(g)	Hole	Ø	Model	Size(mm)	Weight(g)
1 hole	Hole-free	SG-CB-0001	80 X 90 X 70	385	3 holes	Hole-free	SG-CB-0003	80 X 180 X 70	561
	Ø22	SG-CB-2201				Ø22	SG-CB-2203		
	Ø25	SG-CB-2501				Ø25	SG-CB-2503		
	Ø30	SG-CB-3001				Ø30	SG-CB-3003		
2 holes	Hole-free	SG-CB-0002	80 X 135 X 70	481	4 holes	Hole-free	SG-CB-0004	80 X 220 X 70	686
	Ø22	SG-CB-2202				Ø22	SG-CB-2204		
	Ø25	SG-CB-2502				Ø25	SG-CB-2504		
	Ø30	SG-CB-3002				Ø30	SG-CB-3004		