

Explosion Proof Aluminum Junction Box

SA Series

CERTIFICATE

SZU 22 ATEX 002 X

EX CODE

II 2G Ex eb IIC T6 or T5 or T4 Gb

DIRECTIVE

2014/34/EU

STANDARD

EN 60079-0:2018, EN 60079-7:2015

IP

66/67

## FEATURES

SA series junction boxes are made from aluminum alloy an electrostatically applied polyester coating,, providing mechanical impact resistance and excellent resistance when exposed either to salt mist or to marine and other damp environments. SA series junction boxes are usually installed in industrial plants where there is a risk of explosion and free, classified as Zone 1, 2, ; they are mainly used as increased safety enclosures as terminal boxes.

## The enclosures made of Aluminum alloy:

Body and Cover: Aluminum alloy

Coating: Non-metallic paints (Epoxy, Polyester, Epoxy Polyester)

Cover Bolts: AISI 304 Stainless Steel, class A2/70

Gasket: Silicon/polyurethane foam

Earth Screws: M6/8/10 - AISI 304 Stainless Steel, class A2/70, on inside and outside of body.

## Electrical Features

Maximum Nominal Voltage: 1000 V

Maximum Working Voltage: 750 V

Dielectric Strength: 1000 V + 2 U

Maximum Nominal Current: 400 A

The nominal current is indicative for ambient temperature of installation up to +55°C

Section of Terminals: from 1.5 mm<sup>2</sup> to 240 mm<sup>2</sup>.



## Dimensions (mm)

Type / Model	Dimensions (mm)			
	Height (A)	Width (B)	Depth (C)	Tolerance
SA101008	100	100	80	+/- 10
SA131309	130	130	90	+/- 10
SA191309	190	130	90	+/- 10
SA161609	160	160	90	+/- 10
SA191709	190	170	90	+/- 10
SA251909	250	190	90	+/- 10
SA262114	260	210	140	+/- 10
SA332314	330	230	140	+/- 10
SA412311	410	230	110	+/- 10
SA413116	410	310	160	+/- 10

