

## AJ型 岸电箱 Shore power box

### 概述

#### Overview

AJ型岸电箱是船舶停泊码头时，岸电向船舶输送电力的配电设备。适用于额定电压AC220V/AC380V/AC440V，频率50/60Hz的三相或单相交流配电系统。设备具有相序指示、相序转换以及欠压、过载、短路保护功能。

产品满足GB/T 3783-2008《船用低压电器基本要求》。

AJ shore power box is a power distribution equipment for power transmission to the ship when the ship berthes at a wharf, and is applied in the three-phase or single-phase AC power distribution system with AC220V/AC380V/AC440V rated voltage and 50/60Hz frequency, with under voltage, overload and short circuit protection and phase sequence indication, phase-sequence changeover functions.

The product meets the requirements of GB/T 3783-2008 General specification for low-voltage apparatus in ships.

### 产品特点

#### Product features

#### ■ 选用公司标准SM箱体，外形美观

Adopting the company's standard SM type box, with nice appearance

#### ■ 箱体经过橘纹亚光喷塑，具有良好的耐腐蚀性，经久耐用

The surface of the box is sprayed with orange line matte plastics, with good corrosion resistance and durability

#### ■ 箱门采用双层密封条，防水效果好

The box door is provided with double sealing strip, so as to make the waterproof requirements more effectively

#### ■ 具有手动、自动相序转换功能

With manual or automatic phase-sequence changeover function

#### ■ 箱内附有插图框，并贴有醒目的操作说明标识

A diagram box is attached inside the box, also accompanied with eye-catching operation instructions

#### ■ 箱门上带有自锁式门撑，方便使用及维护

The box door is equipped with self-locking door support, easy for using and maintenance

#### ■ 进线可选配填料函、穿线管或铰链密封盖，出线标配填料函

Input cable entry is provided with cable glands, threading pipes and hinge cover gasket optionally, and output cable entry is provided with standard cable glands



## ▶ 产品组成

Product composition

岸电箱由断路器，相序继电器，中间继电器，熔断器，指示灯，仪表等组成。

The shore power box mainly consists of circuit breaker, phase sequence relay, intermediate relay, fuse, indicator light and meter.

## ▶ 技术指标

Technical index

■ 额定工作电压：AC220V/AC380V/AC440V 50/60Hz

Working voltage: AC220V/AC380V/AC440V 50 /60Hz

■ 额定电流：100A/160A/250A/400A/630A

Rated current: 100A/160A/250A/400A/630A

■ 防护等级：IP44/ IP56

Protection grade: IP44/ IP56

■ 产品标准尺寸见下表：

Standard sizes that can be selected are shown in the following table

额定电流 Rated current (A)	外形尺寸 ( mm ) Outline dimensions (mm)			安装尺寸 ( mm ) Installation dimensions(mm)		备注 Remark
	宽(A) Width	高(B) Height	深(C) Depth	宽(D) Width	高(E) Height	
100A、160A、250A	500	700	300	340	740	Fig. 1
400A	600	800	400	440	840	
630A	800	1000	400	640	1040	

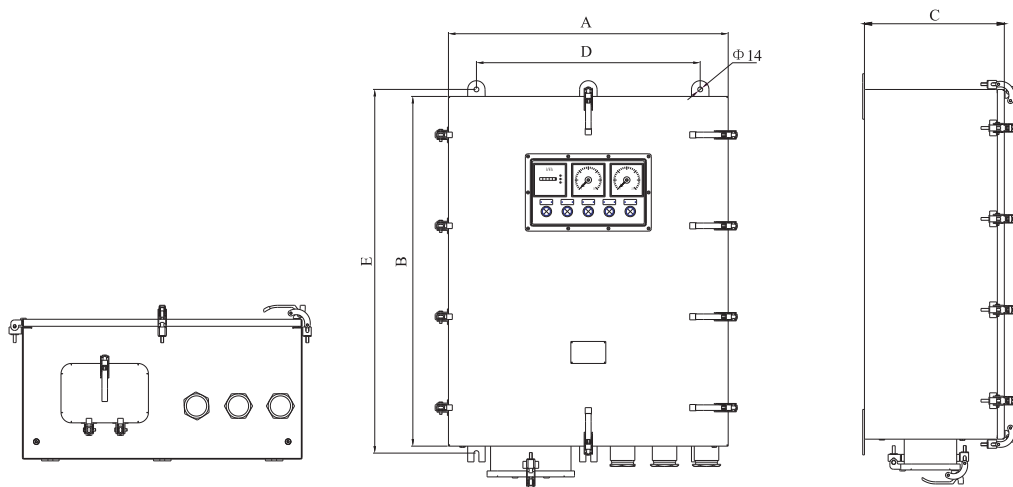


Fig. 1

## 型号命名

Model naming

岸电箱 Shore power box	AJ	<input type="checkbox"/>	- <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- <input type="checkbox"/>
额定电流(A) 100; 160; 250; 400; 630 Rated current (A) 100; 160; 250; 400; 630						
额定电压 M2:220V; Q3:380V; R3:440V Rated voltage M2:220V; Q3:380V; R3:440V						
相序转换 S:手动; Z:自动 Phase-sequence changeover S: manual; Z:automatic						
箱体材料 B:不锈钢; G:冷轧钢板 Box material B: stainless steel; G: cold rolled steel sheet						
选配功能 T1:电度表; T2:电压/电流表; T3:包括T1,T2 Optional function T1: watt-hour meter; T2: voltmeter/ammeter; T3: including T1 and T2						

## 选型说明

### Selection description

例: AJ100-Q3ZB-T3

表示岸电输入为三相AC380V/50Hz, 额定输出电流100A, 有自动相序转换功能, 箱体材料采用不锈钢, 带电度表、电压表和电流表。

For example: AJ100-Q3ZB-T3

Shore power input is three-phase AC380V,50Hz, rated output current 100A, with automatic phase-sequence changeover function, and the box is made of stainless steel, with watt-hour meter, voltmeter and ammeter.

