

SG警报指示器系统

SG Alarm indicator system

设备组成 Device Composition

| 序号 S/N | 型号 Model | 名称 Name | 主要材质 Main material | 重量 Weight | 防护等级 IP class |
|-----------|-----------------|---|-----------------------------|--------------|------------------|
| 1 | SGK-7 | 继电器箱 Relay box | 碳钢 Carbon steel | 19.5Kg | IP 44 |
| 2 | SGK-7A | 继电器箱 Relay box | 碳钢 Carbon steel | 14Kg | IP 44 |
| 3 | SGB-6/7/8 | 警报指示器 Alarm indicator | 碳钢 Carbon steel | 11Kg | IP 44 |
| 4 | SGB-6A/7A/8A | 警报指示器 Alarm indicator | 碳钢 Carbon steel | 12Kg | IP 44 |
| 5 | SGF-6Q/7Q/8Q | 警报指示器(嵌入式) Alarm indicator(Flush type) | 阻燃ABS Fire retardant ABS | 1.3Kg | IP 20 |
| 6 | SGF-6AQ/7AQ/8AQ | 警报指示器(嵌入式) Alarm indicator(Flush type) | 阻燃ABS Fire retardant ABS | 1.5Kg | IP 20 |
| 7 | SGF-6G/7G/8G | 警报指示器(壁挂式) Alarm indicator(Wall mount) | 阻燃ABS Fire retardant ABS | 2.12Kg | IP 44 |
| 8 | SGF-6AG/7AG/8AG | 警报指示器(壁挂式) Alarm indicator(Wall mount) | 阻燃ABS Fire retardant ABS | 2.2Kg | IP 44 |
| 9 | 12KFX-7 | 分线箱 Junction box | 碳钢 Carbon steel | 3.26Kg | IP 22/IP44 |

SGK-7/7A继电器箱Relay box

功能描述

继电器箱用于检测各报警信号。

检测信号有：通用紧急报警、车钟讯号、电话呼叫、主机故障、CO2报警、火灾报警、人员报警、水雾报警等。

Function

Relay Box is applied to detection of various alarm signals such as general emergency alarm, telegraph signal, telephone call, main engine fault, CO2 release alarm, fire alarm, personnel alarm and water mist alarm
Wall mount

SGK-7型工作电压SGK-7 power supply:
主电源Main power AC220V ± 10%
应急电源Emergency power DC24V ^{+30%}/_{-25%}

SGK-7A型工作电压SGK-7 power supply:
主电源Main power AC220V ± 10%
应急电源Emergency power AC220V ± 10%

输出功率Output power:SGK-7:550W
无源触点负载(阻性) Passive contact load (resistance) :
5A/240VAC 5A/28VDC

输入信号检测方式Input signal detection mode:
无源常开触点, 闭合时报警Passive normally open contact, it will alarm when contact is closed.

颜色 Color:浅灰色Light gray (RAL 7035)
防护等级 IP class:IP44
重量 Weight:19.5/14Kg
填料函进线孔径Stuffing box cable entrance hole size:
4- φ18mm 8- φ14mm
功耗Power loss:550W

SGB-6/7/8/6A/7A/8A警报指示器Alarm indicator

功能描述

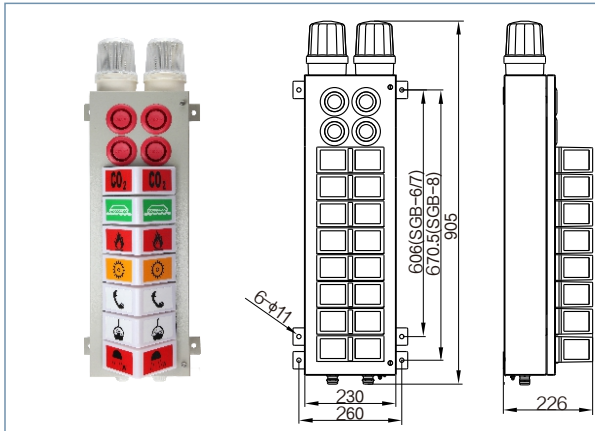
警报指示器的报警信号有：通用紧急报警、车钟讯号、电话呼叫、主机故障、CO2报警、火灾报警、人员报警、水雾报警；
电话呼叫或车钟报警 600Hz的断续报警音；
机器故障 800Hz/1000Hz的转换报警音；
通用紧急报警 1000Hz七短一长的报警音；
CO2报警 1000Hz的连续报警音；
火灾报警 连续调频报警音；

Function

Alarm indicator has alarm signal such as general emergency alarm, telegraph signal, telephone call, main engine fault, CO2 release alarm, fire alarm, personnel alarm and water mist alarm.
Telephone call or telegraph alarm 600Hz intermittent alarm tone.
Main engine fault 800Hz/1000Hz conversion alarm tone.
General emergency alarm 1000Hz seven short and one long alarm tone.
CO2 release alarm 1000Hz continuous alarm tone.
Fire alarm 500 ~ 1200Hz continuous FM alarm tone

人员报警500 ~ 1000Hz之间等值变化的间断调频音;
水雾报警1000Hz连续报警音;
输入信号显示色别:
(乳白色): 电话呼叫、车钟讯号
(红色): 火灾报警、CO₂报警
(绿色): 通用紧急报警
(琥珀色): 机器故障、人员报警、水雾报警

Personnel alarm 500 ~ 1000Hz Intermittent FM alarm tone in equal changes.
Water mist alarm 1000Hz continuous alarm tone.
Input signal display color:
(Milky white): telephone call, telegraph signal
(Red): fire alarm, CO₂ release alarm
(Green): general emergency alarm
(Amber): main engine fault, personnel alarm and water mist alarm.



供电电源 Power supply: SGB-6/7/8为DC24V^{+30%}_{-25%}
SGB-6A/7A/8A AC220V ± 10%
功耗 Power loss: SGB-6/7/8为20W/22W/24W
通信方式 Mode of communication: 串口通信serial communication
报警信号响度 Alarm signal loudness: 100dB ~ 120dB
颜色 Color: 浅灰色Light gray (RAL 7035)
防护等级 IP class: IP44
重量 Weight: 11/12Kg
填料函进线孔径 Stuffing box cable entrance hole size: 2- φ 18mm

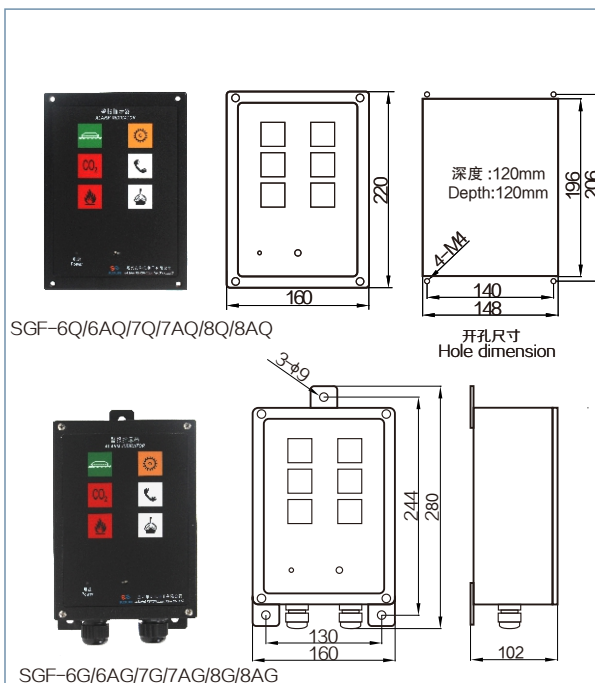
SGF-6/7/8警报指示器 alarm indicator

功能描述

警报指示器安装在集控台上, 用于复示通用紧急报警、车钟讯号、电话呼叫、主机故障、CO₂报警和火灾报警、人员报警、水雾报警。便于值班人员迅速采取措施。
输入信号显示色别:
(乳白色): 电话呼叫、车钟讯号
(红色): 火灾报警、CO₂报警
(绿色): 通用紧急报警
(琥珀色): 机器故障、人员报警、水雾报警

Function

Alarm indicator is installed in the engine control console for repeating general emergency alarm, telegraph signal, telephone call, main engine fault, CO₂ release alarm, fire alarm, personnel alarm and water mist alarm so that duty crew could take measures immediately.
Input signal display color:
(Milky white): telephone call, telegraph signal
(Red): fire alarm, CO₂ release alarm
(Green): general emergency alarm
(Amber): main engine fault, personnel alarm and water mist alarm.



工作电压 Power supply: SGF-6/7/8 DC24V^{+30%}_{-25%}
SGF-6A/7A/8A AC220V ± 10%

颜色 Color: 黑色Sea gray (RAL 9005)

防护等级 IP class: IP20/44

重量 Weight: 1.5/2.2Kg

功耗 Power loss: 5W

填料函进线孔径 Stuffing box cable entrance hole size: 2- φ 18mm

识别信号 Identified signal: 通用紧急报警、车钟讯号、电话呼叫、主机故障、CO₂、火灾报警、人员报警、水雾报警。

General emergency alarm, telegraph signal, telephone call, main engine fault, CO₂ release alarm, fire alarm, personnel alarm and water mist alarm

通信方式 Mode of communication: 串口通信Serial communication
报警信号响度 Alarm signal loudness: 70dB ~ 90dB

电话呼叫或车钟报警 Telephone call or telegraph alarm:

600Hz的断续报警音 Intermittent alarm tone

机器故障 Main engine fault:

800Hz/1000Hz的转换报警音 Conversion alarm tone

通用紧急报警 General emergency alarm:

1000Hz七短一长的报警音 Seven short and one long alarm tone

CO₂报警 Release alarm: 1000Hz的连续报警音 Continuous alarm tone

火警报警 Fire alarm: 500 ~ 1200Hz连续调频报警音 Continuous FM alarm tone

人员报警 Personnel alarm: 500 ~ 1000Hz之间等值变化的间断调频音 Intermittent FM alarm tone in equal changes

水雾报警 Water mist alarm: 1000Hz连续报警音 Continuous alarm tone

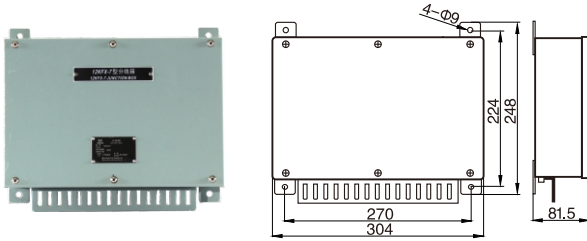
12KFX-7分线箱 Junction box

功能描述

用于连接继电器箱和警报指示器。

Function

Connect relay box with alarm indicator.



颜色 Color: 中绿灰 green gray (RAL 6034)

防护等级 IP class: IP22/IP44

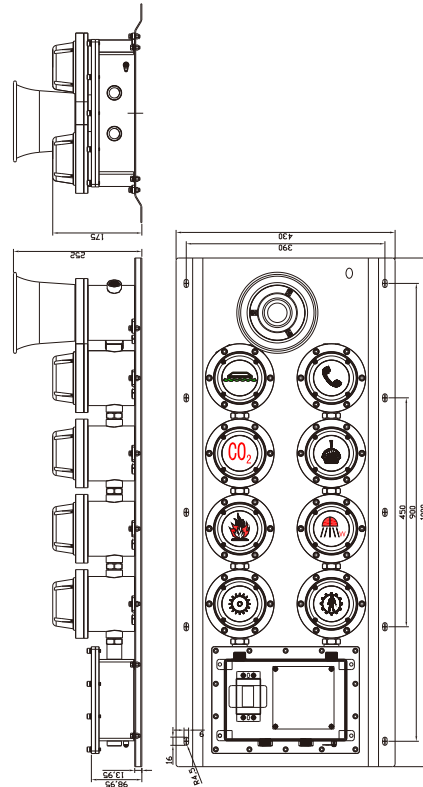
重量 Weight: 3.26Kg

BBJ-31-□ 防爆警报指示器 Explosion-proof alarm indicator

功能描述

防爆警报指示器最多由八个不同警报属性、颜色的防爆状态警示灯、一个防爆扬声器和一个防爆盒组合而成，连接到警报指示器系统作为报警终端。防爆警报指示器接收来自SGK继电器箱的触发信号，并以预设的声光信号进行警示。

BBJ-31-□ explosion-proof alarm indicator: this explosion-proof alarm indicator consists of eight explosion-proof status warning lights with different alarm properties and colors, one explosion-proof speaker and one explosion-proof box, which is connected to alarm indicator as alarm terminal. This explosion-proof alarm indicator receives the trigger signal from SGK relay box and indicate by preset audible and visual signal; cable entrance and outlet are two M22 threaded holes, which can be M22 explosion-proof cable gland complying with the requirements;



电压输入 Voltage input:: AC220V/230V(BJ-31-AC220V/230V)
AC110V(BJ-31-AC110V)
DC24V(BJ-31-DC24)

最大功率 Power: 18W
防护等级 IP class: IP66
电压输入 Voltage input:

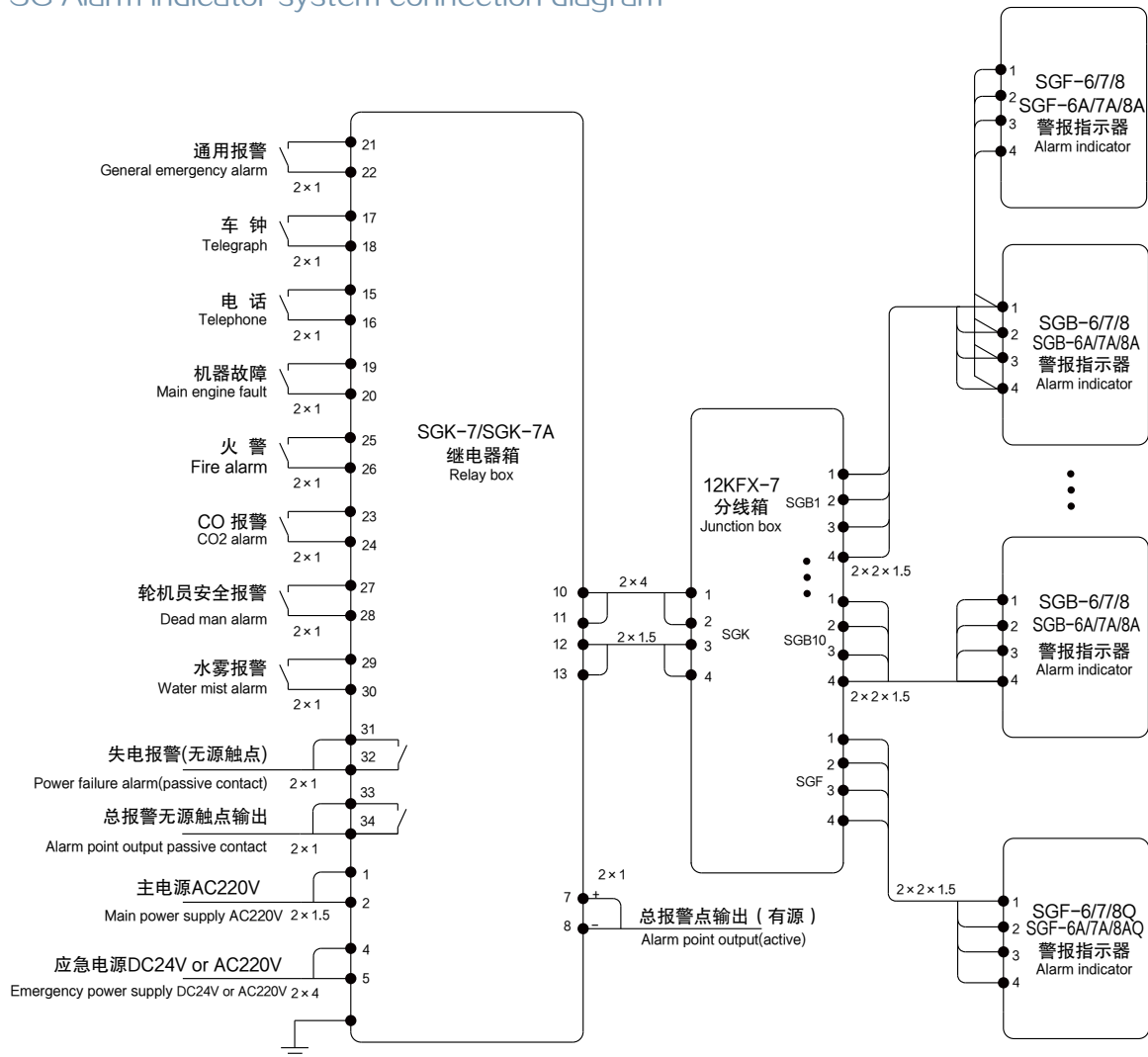
重量 Weight: 49.5Kg

防爆等级 Explosion-proof class: Ex db opis II B T5 Gb

填料函进线孔径 Stuffing box cable entrance hole size:

2-φ17mm

SG警报指示器系统接线示意图
SG Alarm indicator system connection diagram



说明:

- 1.SGK-7型继电器箱输出功率为350W, 工作电压主电源为AC220V,应急电源为DC24V,输出到警报指示器的电压为DC24V,配套使用SGB-6/7/8,SGF-6/7/8Q和SGF-6/7/8G型警报指示器。
- 2.SGK-7A型继电器箱输出功率为350W, 工作电压主电源为AC220V,应急电源为AC220V,输出到警报指示器的电压为AC220V,配套使用SGB-6/7/8A,SGF-6/7/8AQ和SGF-6/7/8AG型警报指示器。

Note:

- 1.SGK-7 relay box output power 350W; main power AC220V; emergency power DC24V; output voltage to alarm indicator DC24V. Alarm indicator to match equipment is SGB-6/7/8, SGF-6/7/8Q and SGF-6/7/8G alarm indicator.
- 2.SGK-7A relay box output power: 350W; main power: AC220V+-10%; emergency power: AC220V+-10%; output voltage to alarm indicator: AC220V+-10%. Alarm indicator to match equipment is SGB-6/7/8A, SGF-6/7/8AQ and SGF-6/7/8AG alarm indicator.