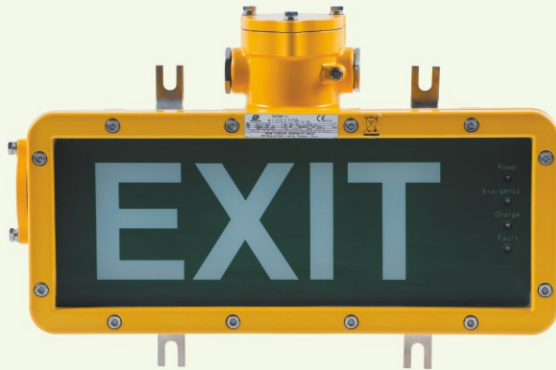


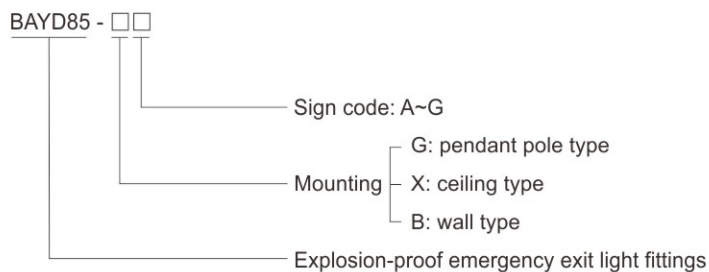
## Local, Caution Spotlight Fittings

### BAYD85 Series Explosion-proof Emergency Exit Light Fittings



- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 1 and Zone 2
  - Class I, Division 1, Groups C, D
- ◆ Lighting both in normal condition and emergency condition; When power supply is cut off, the emergency device starts to work; with overcharge, overdischarge protection and short circuit protection.
- ◆ Designed with test button and sleep button. The test button is for testing. Press the button, lamp shall automatically enter into emergency status. The sleep button is to stop the lamp source output, press this button, the lamp turned off, re-press the button, lamp on and return to work.
- ◆ Ultra-bright LED lamp, low power consumption and long service life up to 50,000 hours; energy saving and environmental protection.
- ◆ Enclosure in Copper-free Aluminium Alloy, powder coated surface, yellow (RAL 1021).
- ◆ Toughened glass sheet resistant to temperature changes.

#### Catalogue number logic



#### Sign code type A-G



Type A



Type B



Type C



Type D



Type E



Type F



Type G

Zones 1&2; 21&22

## Local, Caution Spotlight Fittings

### BAYD85 Series Explosion-proof Emergency Exit Light Fittings

#### Technical data

#### Explosion-proof emergency exit light fittings BAYD85-□□

##### Explosion protection

Global (IECEx)

Gas and dust

IECEx CQM 16.0032X

Ex db IIB T6 Gb (-60°C~+58°C/+60°C)

Ex db IIC T6 Gb (-40°C~+58°C/+60°C)

Ex tb IIIC T80°C Db (-60°C~+58°C/+60°C)

Europe (ATEX)

Gas and dust

TÜV CY 22 ATEX 0206697 X

Ex II 2 G Ex db IIB T6 Gb (-60°C~+58°C/+60°C)

Ex II 2 G Ex db IIC T6 Gb (-40°C~+58°C/+60°C)

Ex II 2 D Ex tb IIIC T80°C Db (-60°C~+58°C/+60°C)

##### Certificates

##### Conformity to standards

IECEx; ATEX; CU-TR; INMETRO

EN 60079-0, EN 60079-1, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-31

##### Material

Enclosure

Exposed fastener

Copper-free Aluminium Alloy, powder coated surface, yellow(RAL1021)

Stainless steel

##### Rated voltage

100~300V AC 50/60Hz, 100~250V DC, 12~48V AC/DC

##### Lamp

LED lamp (working voltage DC 3.6V)

##### Power consumption

4W / 8W

##### Emergency time

180min

##### Battery

Rated capacity

800mAh

Charging time

16h

##### Earthing protection

M5 (internal & external earth bolts)

##### Degree of protection

IP66

##### Ambient temperature

4W: IIB/IIIC for tamb: -60°C~+60°C

IIC for tamb: -40°C~+60°C

8W: IIB/IIIC for tamb: -60°C~+58°C(others voltage)

IIB/IIIC for tamb: -60°C~+60°C(12~48V AC/DC)

IIC for tamb: -40°C~+58°C(others voltage)

IIC for tamb: -40°C~+60°C(12~48V AC/DC)

##### Terminal

3 x 1.5~2.5mm<sup>2</sup> (L+N+PE)

##### Cable entries

2 x M25 x 1.5 plugs

##### Cable gland

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/22~31.

##### Weight

5.15kg



#### Dimension drawings (all dimensions in mm) - subject to alteration

