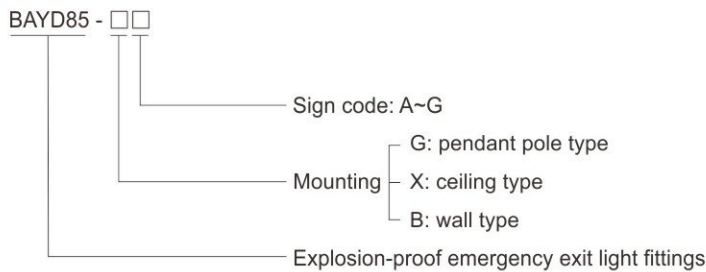


## Local, Caution Spotlight Fittings BAYD85 Series Explosion-proof Emergency Exit Light Fittings



- ◆ 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



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) | IECEX CQM 16.0032X                |
| Gas and dust   | Ex d IIB T6 Gb                    |
|                | Ex tb IIIC T80°C Db IP66          |
| Europe (ATEX)  | EPT 16 ATEX 2558X                 |
| Gas and dust   | ⊕ II 2 G Ex d IIB T6 Gb           |
|                | ⊕ II 2 D Ex tb IIIC T80°C Db IP66 |

#### Certificates

IECEX; ATEX; CU-TR

#### Conformity to standards

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

#### Material

|                  |   |
|------------------|---|
| Enclosure        | Copper-free Aluminium Alloy, powder coated surface, yellow(RAL1021) |
| Exposed fastener | Stainless steel   |

#### Rated voltage

100~300V AC 50/60Hz

#### Lamp

LED lamp (working voltage DC 3.6V)

#### Power consumption

4W

#### Emergency time

180min

#### Battery

|                |        |
|----------------|--------|
| Rated capacity | 800mAh |
| Charging time  | 24h    |

#### Earthing protection

M5 (internal & external earth bolts)

#### Degree of protection

IP66, IP67 (optional)

#### Ambient temperature

-20°C~+55°C

#### 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 P7/20~31.

#### Weight

5.15kg



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

