

ATX™ SBDC Series Strobe Lighting and Static Triple Indicator

Flameproof

ATEX/IECEX:
 Zone 1 and 2 - 21 and 22
 Ⓜ II 2 GD
 IP66/68 - IK08

Applications

- For use in hazardous locations in a wide range of plants.
- In areas where audible signals cannot be heard.
- To warn of unsafe conditions and other communication needs.

Features

- Threaded access cover with O-ring seal.
- Supplied with two external fixing lugs.
- Fixtures operate in any position.
- External earth terminal 1 x 4 mm² (0.002 x 0.006 in²).
- Two side M20 threaded entries supplied with 1 x M20 blanking plug.
- 15 Joules Strobe Beacon:
 - Xenon lamp supplied.
 - Instantaneous illuminance: 150,000 candelas.
 - Strobe 45 flashes per minute.
 - Operating factor: 10 min. stop after one hour operation.
 - Life duration: 70% efficiency after 8 million flashes.
 - Internal red colored lens supplied as standard.
 - Other lenses available in five colors:
 - Amber, blue, green, yellow and clear (factory installed).
 - Connection to plug-in terminal block via 2 x 3 x 2.5 mm² (0.003 x 0.005 x 0.004 in²) terminal.
- Static Triple Indicator Unit:
 - Ba15d lamp holders.
 - Permissible lamps not supplied:
 - 7 W incandescent or multi LED lamps.
 - Operating factor 100%.
 - Supplied with three colored interchangeable modules:
 - Red, yellow and green.
 - Each module is controlled separately.
 - Possibility of coupling two modules for simultaneous operation.
 - Connection to plug-in terminal block via 2 x 5 x 2.5 mm² (0.003 x 0.008 x 0.004 in²) terminal.

Standard Materials

- End caps and cover: anti-corrosive gray painted Zamak
- O-ring seal: Nitrile
- Sealed toughened glass.
- Fixing lug: zinc plated steel
- Protective guard: zinc plated steel

Options

- Other colored module for static triple indicator unit.
- Other lens colors available for strobe lighting



Strobe Lighting

Multiple Static Indicator

ATEX/IECEX Certifications and Compliances

- Certification Type: FLd
 - Gas: Zones 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓜ II 2 G
 - Type of Protection: Ex d IIC
 - Temperature Class: See *T Rating (Gas) and Surface Temperature (Dust) Table*
 - Dust: Zone 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: See *T Rating (Gas) and Surface Temperature (Dust) Table*
- Ambient Temperature: -40 °C to +55 °C (-40 °F to +131 °F)
- CE Declaration of Conformity: 50203
- ATEX Certificate: LCIE 97 ATEX 6012
- IECEx Certificate: IECEx LCI 04.0018
- Index of Protection according EN/IEC 60529: IP66/68 (10 meters)
- Impact Resistance (shock): IK08
- Internal Volume: ≤ 2 dm³ (122 in³) - 2 liters

EURASEC Certification

- EURASEC N° TC RU C-FR.Г505.B.00912

Other Certification

- INMETRO Certificate: BVC11.0492 ①

Related Products

- For labels see *Labels for Emergency Lighting Units, ATX Self-Adhesive Signaling Labels for Emergency Lighting Units.*

T Rating (Gas) and Surface Temperature (Dust) Table

| Ambient Temperature | Gas | | Dust |
|---------------------|-----------------------|-----------------------|-----------------------|
| | Ta = +40 °C (+104 °F) | Ta = +55 °C (+131 °F) | Ta = +55 °C (+131 °F) |
| Strobe 15 Joules | T6 | T5 | T95 °C (T203 °F) |
| Static Indicator | T6 | T6 | T80 °C (T176 °F) |

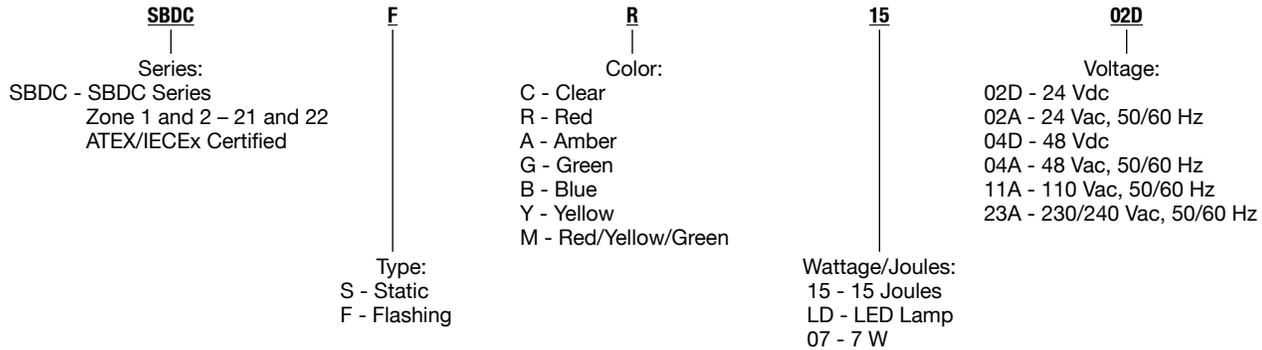
① Inmetro certification available on special request only. Contact your local sales representative for more information.

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Catalog Numbering Guide



VISUAL SIGNAL: ATEX/IECEX FLAMEPROOF

Appleton®

Red Strobe Beacon

| Type | Supply | Rating (Amps) | Weight kg (lb) | Volume dm ³ (in ³) | Catalog Number ①② | | |
|---|---------|---------------|----------------|---|-------------------|-------------|--------------------|
|  15 joules | 24 Vdc | 18-30 V | — | 700 mA | 6.8 (14.99) | 31 (1891.7) | SBDCFR1502D |
| 15 joules | 48 Vdc | 40-60 V | — | 350 mA | 6.8 (14.99) | 31 (1891.7) | SBDCFR1504D |
| 15 joules | 110 Vac | 95-127 V | 50/60 Hz | 350 mA | 6.8 (14.99) | 31 (1891.7) | SBDCFR1511A |
| 15 joules | 230 Vac | 185-255 V | 50/60 Hz | 190 mA | 6.8 (14.99) | 31 (1891.7) | SBDCFR1523A |

Triple Static Indicator

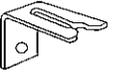
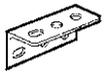
| Type | Lamp Holder | Wattage | Weight kg (lb) | Volume dm ³ (in ³) | Catalog Number ② |
|--|-------------|---------|----------------|---|--------------------|
|  Red, yellow and green 230 Vac, 50/60 Hz | Ba15d | 7 W | 6.8 (14.99) | 31 (1891.7) | SBDCSM0723A |

① For lens color other than Red on the IECEx certified product change the replace the letter **R** in the 5th position to the appropriate option: **C** for Clear, **A** for Amber, **G** for Green, **B** for Blue or **Y** for Yellow. Example for clear lens: SBDCFC1502D.
 ② For LED lamp on the IECEx certified product change the replace the letters **15** or **07** with the letters **LD** in the 7th and 8th positions. Example: SBDCFRLD02D.

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Accessories and Replacement Parts

| Type | Weight kg (lb) | Volume dm ³ (in ³) | Catalog Number |
|---|-------------------------------|--|----------------|
| Mounting Brackets – Quick One Hand Fixings: Set of Two | | | |
|  | Zinc plated steel | 0.40 (0.88) | 0.7 (42.7) |
| | Stainless steel | | |
| Surface Mounting Brackets: Set of Two | | | |
|  | Zinc plated steel | 0.55 (1.21) | 0.5 (30.5) |
| | Stainless steel | | |
| Half Clamps – Set of Two – Zinc Plated Steel | | | |
|  | 42 mm (1.25") to 49 mm (1.5") | 0.80 (1.76) | 0.5 (30.5) |
| | 60 mm (2") | | |
| Protective Guard | | | |
|  | Zinc plated steel | 0.55 (1.21) | 8.0 (488.2) |

Dimensions in Millimeters (Inches)

