SBDC Series Strobe Lighting and Static Triple Indicator
Flameproof

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

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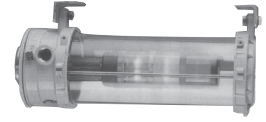
Standard Materials
- End caps and cover: anti-corrosive gray painted Zamak
- O-ring seal: Nitrile
- Sealed toughened glass.
- Fixing lug: zinc plated steel
- Protective guard: zinc plated steel

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

Strobe Lighting   **Multiple Static Indicator**

Certifications and Compliances

♦ATEX/IECEx Certification
- **Certification Type: FLd**
  — Gas: Zones 1 and 2
    – Conforming to ATEX 94/9/CE: ⟨Ex⟩ II 2 G
    – Type of Protection: Ex d IIC
    – Temperature Class: *See Table on following page*
  — Dust: Zone 21 and 22
    – Conforming to ATEX 94/9/CE: ⟨Ex⟩ II 2 D
    – Type of Protection: Ex tD A21
    – Surface Temperature: *See Table on following page*
  — Ambient Temperature: -40 °C to +55 °C
  — 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 — 2 liters

♦EURASEC Certification
  — EURASEC N° TC RU C-FR.Гб05.B.00912

♦Others 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

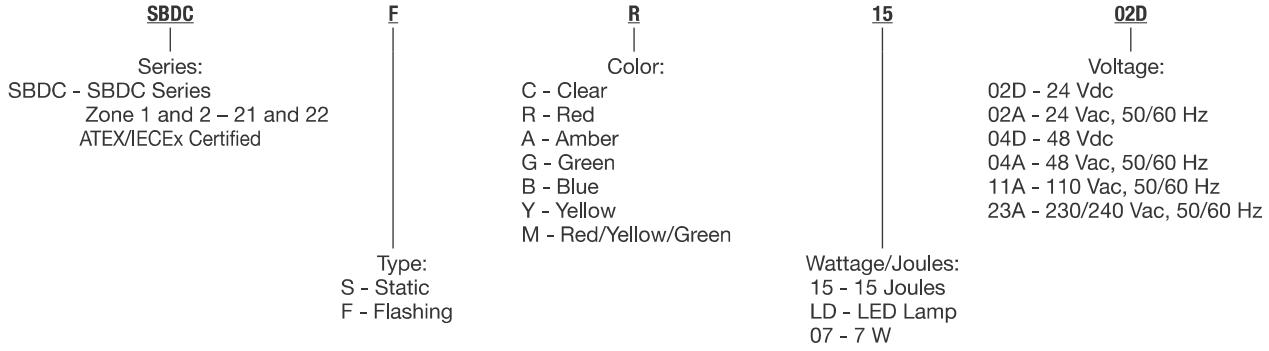| Ambient Temperature	Gas		Dust
	Ta = +40 °C	Ta = +55 °C	Ta = +55 °C
Strobe 15 Joules	T6	T5	T95 °C
Static Indicator	T6	T6	T80 °C

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

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Catalog Numbering Guide

| **SBDC** | **F** | **R** | **15** | **02D** |

Series:
SBDC - SBDC Series
Zone 1 and 2 – 21 and 22
ATEX/IECEx Certified

Color:
C - Clear
R - Red
A - Amber
G - Green
B - Blue
Y - Yellow
M - Red/Yellow/Green

Voltage:
02D - 24 Vdc
02A - 24 Vac, 50/60 Hz
04D - 48 Vdc
04A - 48 Vac, 50/60 Hz
11A - 110 Vac, 50/60 Hz
23A - 230/240 Vac, 50/60 Hz

Type:
S - Static
F - Flashing

Wattage/Joules:
15 - 15 Joules
LD - LED Lamp
07 - 7 W

Red Strobe Beacon

Type		Supply			Rating (Amps)	Weight kg	Volume dm³	Catalog Number ① ②
15 joules	24 Vdc	18-30 V	—		700 mA	6.8	31	**SBDCFR1502D**
15 joules	48 Vdc	40-60 V	—		350 mA	6.8	31	**SBDCFR1504D**
15 joules	110 Vac	95-127 V	50/60 Hz		350 mA	6.8	31	**SBDCFR1511A**
15 joules	230 Vac	185-255 V	50/60 Hz		190 mA	6.8	31	**SBDCFR1523A**

Triple Static Indicator

Type	Lamp Holder	Wattage	Weight kg	Volume dm³	Catalog Number ②
Red, yellow and green 230 Vac, 50/60 Hz	Ba15d	7 W	6.8	31	**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: SBDCF**C**1502D.*
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: SBDCFR**LD**02D.*

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Accessories and Replacement Parts

Type	Weight kg	Volume dm³	Catalog Number
Mounting Brackets – Quick One Hand Fixings: Set of Two			
Zinc plated steel			**FDFBZ**
	0.40	0.7	
Stainless steel			**FDFBS**
Surface Mounting Brackets: Set of Two			
Zinc plated steel			**FDSBZ**
	0.55	0.5	
Stainless steel			**FDSBS**
Half Clamps – Set of Two – Zinc Plated Steel			
42 mm to 49 mm			**FDHC49Z**
	0.80	0.5	
60 mm			**FDHC60Z**
Protective Guard			
Zinc plated steel	0.55	8.0	**FDPG1Z**

Dimensions in Millimeters (Inches)