

Lighting: Signaling Products

SBDC Series: Strobe Lighting and Static Triple Indicator – Flameproof



Strobe Lighting



Multiple Static Indicator

Compliance Data:

ATEX – IECEx:



Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IECEx	CE
Ex d IIC	T5 and T6	Ex tD A21	T80°C and T95°C	IP66/68 (10 m) – IK08

Lamp Type:

Strobe Beacon	Triple Indicator	Triple Indicator	
15 Joules	3 x 7 W Incandescent	3 x Led Lamp	

Operating Temperature:

-40°C to +55°C

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II 2 GD

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IP66/67 - IK08

LIGHTING

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.

Materials:

- Anti-corrosive gray painted Zamak end caps and cover.
- Nitrile O-ring seal.
- Sealed toughened glass.
- Zinc plated steel fixing lug.

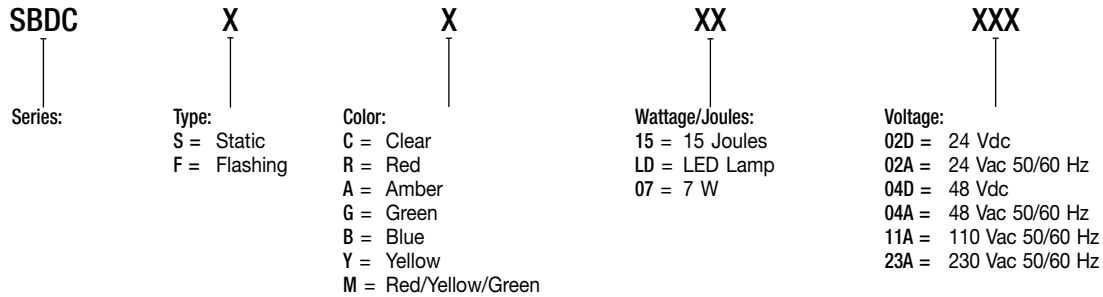
Accessories:

- Zinc plated steel protective guard.

Options:



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

Catalog Number Logic:



Ordering Information:

Lighting Units:

Type	Supply	Rating (amps)	Weight (kg)	Volume (dm ³)	Catalog Number	Old Catalog Number	Pack		
Red Strobe Beacon									
	15 joules	24 Vdc	18-30 V	700 mA	6.8	31	SBDCFR1502D	094971	1
	15 joules	48 Vdc	40-60 V	350 mA	6.8	31	SBDCFR1504D	094972	1
	15 joules	110 Vac	95-127 V 50/60 Hz	350 mA	6.8	31	SBDCFR1511A	094973	1
	15 joules	230 Vac	185-255 V 50/60 Hz	190 mA	6.8	31	SBDCFR1523A	094974	1
Triple Static Indicator									
	Red, yellow and green	Ba15d	07 W	6.8	31		SBDCSM0723A	094989	1
	230 Vac 50/60Hz								

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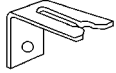
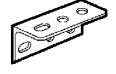
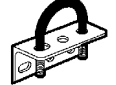

Zone 1 & 2 - 21 & 22

⊕ II 2 GD

ATEX / IECEx

IP66/67 - IK08

Accessories:

Type	Weight (kg)	Volume (dm ³)	Catalog Number	Old Catalog Number	Pack
 Mounting Brackets – Quick One Hand Fixings: Set of Two Zinc plated steel Stainless steel	0.40	0.7	FDFBZ	094897	1
			FDFBS	094889	1
 Surface Mounting Brackets: Set of Two Zinc plated steel Stainless steel	0.55	0.5	FDSBZ	094898	1
			FDSBS	094890	1
 Half Clamps – Set of Two – Zinc Plated Steel 42 mm (1.25") to 49 mm (1.5") 60 mm (2")	0.80	0.5	FDHC49Z	094899	1
			FDHC60Z	094891	1
 Protective Guard Zinc plated steel	0.55	8	FDPG1Z	094872	1

Compliance Table:

Hazardous Area	Gas	Dust
Certified Type	FLd	
Zones	1 – 2	21 – 22
Conforming to ATEX 94/9/CE	CE 0081 ⊕ II 2 G	CE 0081 ⊕ II 2 D
Symbol of protection ATEX	Ex d IIC	Ex td A21
Symbol of protection IEC		
T Rating	See table	NA
Surface Temperature	NA	See table
Ambient Temperature	-40°C to +55°C	
CE Declaration of Conformity	50203	
ATEX Certificate	LCIE 97 ATEX 6012	
IECEx Certificate	IECEx LCI Ex 04.0018	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66/68 (10 meters)	
Impact Resistance (shock)	IK08	
Internal Volume	> 2 dm ³ (2 liters)	

Temperature Rating:

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

Standards:

Ex Standards	EN / IEC 60079-0; 60079-1; 61241-0; 61241-1
Product Standards	EN / IEC 60598-1
EMC Standards	EN / IEC 55015; 61547
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

Dimensions (mm):

