

LED Emitter BS 62531*

Technical Specifications:

BS 625 31*	In Ex tD A21
U _N :	12.8 V
I _N :	500 mA (internal fuse 1.5 A)


Dimensions and Weights:

BS 62531*

Length approx.	62 mm
Diameter approx.	115 mm
Weight approx.	1.2 kg (light metal enclosure)

Type of Explosion Protection:

EN 60 079-0 : 2006
 EN 60 079-11 : 2007
 EN 61 241-0 : 2006
 EN 61 241-1 : 2004
 Directive 94/9/EC

 II 2D Ex tD A21 IP 6X T 100 °C
 - 20 °C ≤ T_{amb} ≤ + 40 °C

Degree of enclosure protection: EN 60529: minimum IP 66

EC Type Examination Certificate: IBE_{Ex}U 08 ATEX 1121 X and 2nd addition



Operating Instructions

Installation and Operation of Type BS 625 31* II 2D Ex tD A21 IP 6X T 100 °C:

The LED emitter type BS 62531* is designed for use in dust explosion hazardous areas.

Installation in any position.

In dust explosion hazardous areas any power supplies with a secondary DC voltage of 12 – 15 V and a secondary current of at least 1.5 A may be used.

In dust explosion hazardous areas the maximum lead length between power supply and LED emitter – having a conductor cross-section of 2.5 mm² – may be 100 m.

The LED emitter are supplied with Ex cable entries. In order to establish a dust-proof connection, the indicated cable diameters have to be strictly adhered to.

For dust explosion hazardous areas the LED emitter may also be supplied with through wiring.

You find the connecting compartment inside the emitter beneath the cooling element of the constant current sources. There you find a 2-pole terminal board for wiring. The supply line is carried into the enclosure via a cable entry and is connected to the 2-pole terminal board according to the enclosed connecting diagram.

Within the heat sink there is fuse holder for the constant current sources, carrying a fine-wire fuse 5 x 20 mm, 1.5 A, slow.

In case the enclosure has no metallic connection the potential equalisation can be connected on the rear side of the emitter.

The user must not carry out any adjustment changes and/or repairs of the equipment and the leads!

Defect equipment may be repaired by the manufacturer only!