



FL-01 Intrinsically Safe Beacon (flash)

Certificate: ATEX



Use:

A FL-01 intrinsically safe beacon (flash) serves for optical signalling of various operational statuses such as the signalisation of travel, open door, pushbutton signalling, signalling a warning or hazard, optical signalling of other electric device output, etc.

Description:

A beacon is made in a steel cylindrical case. The light inside is protected by a plastic transparent cylindrical cover of red colour as standard and a steel basket. The structure is modified for mounting on the wall or transport vehicles. An M20 plastic bushing can be screwed to the bottom or side of the beacon. A connecting cable diameter can be 6 – 12 mm.

Technical Parameters:

Model	I M1 Ex ia I
Supply voltage	11 – 23V DC
Consumed current	8 – 30mA
Cable cross-section in M20 bushing	6 – 12mm
Connecting conductor maximum cross-section	wire 2.5m ² / stranded conductor 1.5 mm ²
Ambient temperature	-20°C – +60°C
Relative humidity	maximum of 95% without condensation
Protection	IP 54
Dimensions	150 x 116 x 173mm
Weight	3kg

Intrinsically safe supply parameters, terminals 1 and 2:

Ui	60V
Ii	660mA
Pi	3.15W
Ci	0
Li	0

Direct supply voltage of maximum 23 V is rectified and limited and subsequently supplies gradually flashing LED columns. Flashing velocity is approximately 4 times a second and does not depend on the supply voltage. The beacon illuminance depends on the supply voltage and is approximately proportionate to the current consumption.

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.



SV-01 Spotlight

 **Certificate: ATEX**



Technical Parameters:

Model	I M2 Ex ib I
Maximum peak current	350mA
Nominal current Ii	233mA
Operating current	210mA
Connecting conductor cross-section	0.5 mm ²
Ambient temperature	-20°C to +40°C
Relative humidity	95% without condensation
Protection	IP 54
Dimensions without the cable	φ 220 x 125 mm
Weight without the cable	6.8kg
Electric equipment weight	100g
Illuminance	28 lx

Use:

An SV-01 is an intrinsically safe spotlight, ib model, designed for environments with explosion hazard in gassy mines.

Description:

An SV-01 consists of three parts. A top cover with plexi-glass underneath, a cylindrical part with a flange where three holes with the diameter of 9mm are made for fitting the spot light on a set place. There are 16 highly illuminating diodes on the lower cover. An M25x1.5 bushing is situated on the lower cover.

The spot light is supplied with a cable suitable for intrinsically safe systems. The cable is factory-connected directly to diodes. The cable length is specified in the order, but must not exceed 100 m. The SV-01 supply is ensured by intrinsically safe Ex ib SV-01-Z source.

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.