

# Safety Barrier

## ES58-2

- Allows to create intrinsically safe circuits
- Galvanic isolation of the detector line voltage
- Connection of intrinsically safe detectors
- Industrial plastic surface-mount case
- ATEX certified



### Description

The Safety Barrier ES58-2 for the galvanic isolation of the detectors in the hazardous area serves for the design of an intrinsically safe electric circuit. The plastic surface-mount housing allows to mount the safety barrier near the hazardous area.

The built-in zener barrier limits the current and the voltage of the detector line, as well as the electric energy stored in the intrinsically safe circuit. The maximum

number of detectors depends on the country-specific regulations and can be found in the Connection of Detectors.

Due to the galvanic isolation, the earth leakage monitoring can remain activated in the fire detection control panel. Thus, the installation can also be monitored in the hazardous area.

### Specifications

Ignition protection	intrinsically safe
Ex classification	Ex ia IIC
Operating voltage	Supply through the detector line voltage
Quiescent current	approx. 5mA
Ambient temperature	-20°C to +60°C
Dimensions W × H × D	120 × 160 × 90 (mm)
Colour	light grey, similar to RAL 7035
Weight	650g
Approval	BASEEFA98ATEX7343
Order number	228003
Order name	Safety Barrier/Conv. ES58-2