

VIREx, VTEEx, VOEx, DMEx, AVSEEx, MAY1Ex, SBEx BZ1, SBEx BZ3

Intrinsically safe version detectors

All our intrinsically safe version detectors are ATEX certificated

Compatible with many fire detection panels, the intrinsically safe range gives a solution for detection in explosion hazard area. Designed to cover the risks of fire in dangerous atmosphere, intrinsically safe range allows an early detection of smoke (VOEx), heat (VTEEx), flame (VIREx) detectors. Management of manual call point (DMEx) or sounder (AVSEEx) is also insured through respectively SBEx BZ1 and SBEx BZ3. The whole system is connected to fire detection panel through the module MAY1Ex for analogue panels and directly on the detection line (compatible with intrinsically systems) for conventional panels. Earthing and voltage chopping are insured by zener barrier SBEx for all systems.



VIREx Infra-red flame detector: Double infrared sensor which permit to measure the exclusive presence of CO2 signature from visible flame. Protection for flammable areas.

| | |
|---|----------------------------------|
| Weight/dimension: 125g (with base)/104 x 41 | Operating voltage: 15-28Vdc |
| IP rating: 20 | Quiescent current: 515µA (24Vdc) |
| Area coverage: ±45°/Dmax 25m | Alarm current: 26mA (24Vdc) |

CE 0081 II 1 G Eex ia IIC T6/LCIE 03 ATEX 6349 X



VTEEx Heat detector: - Static heat detector 59°C (standard), 70°C, or 85°C
- Rate of rise detector 9°C/min with 59°C static security (±5°C).

| | |
|---|----------------------------------|
| Weight/dimension: 120g (with base)/104 x 46 | Operating voltage: 12-30Vdc |
| IP rating: 32 | Quiescent current: 120µA (24Vdc) |
| Area coverage: 30m² (Hmax: 7m / Dmax: 4m) | Alarm current: 26mA (24Vdc) |

CE 0081 II 1 G Eex ia IIC T6/LCIE 03 ATEX 6350 X



VOEx Optical smoke detector: Photo electric light scattering (Tyndall effect). White and clear visible smoke (covering fire).

| | |
|---|----------------------------------|
| Weight/dimension: 160g (with base)/120 x 64 | Operating voltage: 12-30Vdc |
| IP rating: 32 | Quiescent current: 140µA (24Vdc) |
| Area coverage: 60m² (Hmax: 12m / Dmax: 6m) | Alarm current: 26mA (24Vdc) |

CE 0081 II 1 G Eex ia IIC T6/LCI 04 ATEX 6069 X



DMEx Manual call point: Delivered with reset key.

| | |
|-------------------------|-----------------------------|
| Weight: 180g | Operating voltage: 15-28Vdc |
| dimension: 93 x 93 x 62 | Quiescent current: 0mA |

CE 0359 II 1 G Eex ia IIC T4/BAS 00 ATEX 1067



AVSEEx Sounder: To be associated with zener barrier SBEx BZ3

| | |
|----------------------------|-----------------------------|
| Weight: 850g | Operating voltage: 15-28Vdc |
| dimension: 130 x 130 x 132 | Quiescent current: 0mA |

CE 0359 II 1 G Eex ia IIC T4/BAS 00 ATEX 1181



MAY1Ex addressable zone interface module for intrinsically safe points: Takes a point address, manages up to 6 intrinsically elements. Requires external power supply (24V/0,02A monitored). Open collector output.

| | |
|---------------------------|------------------------------|
| Weight: 460g | Operating voltage: 24Vdc ±6V |
| dimension: 83 x 198 x 135 | Quiescent current: 55mA |
| IP rating: 55 | Max consumption : 200mA |

AFNOR NFS61950



SBEx BZ1 Zener safety barrier: The SBEx BZ1 system belongs to the category of electrical systems certified as ensuring intrinsically safety. Dedicated for VIREx, VTEEx, VOEx, DMEx

| | |
|-----------------------------------|-----------------------------------|
| Weight: 100g | Input voltage: Un=24Vdc |
| dimension: 104 x 70 x 12,2 | Max current: 110mA |
| IP rating: 40 (IP 20: connectors) | Cext/Lext/Rint:0,083µF/1,2mH/278Ω |

CE 0081 II (1/2) G [Eex ia/ib] IIC/IIB/PTB 01 ATEX 2088



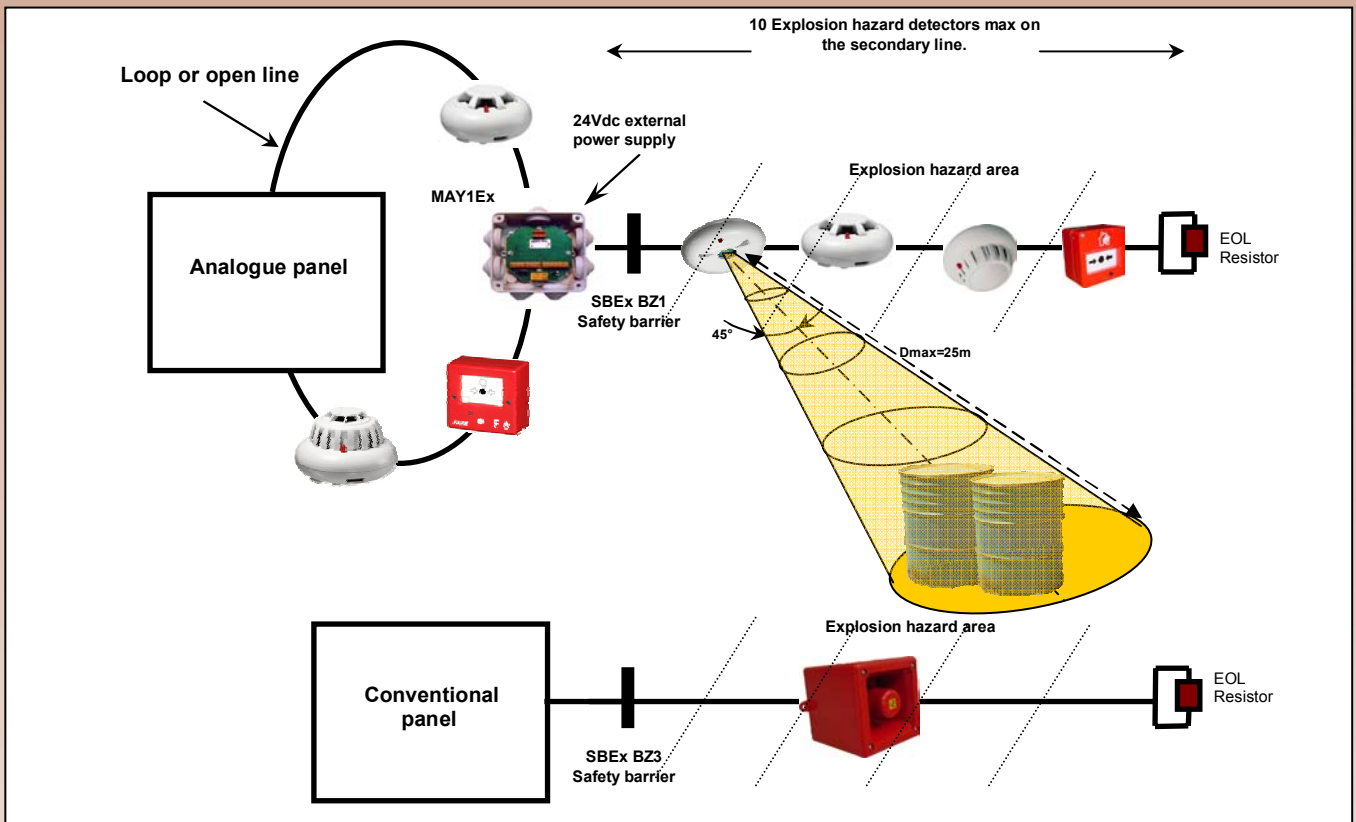
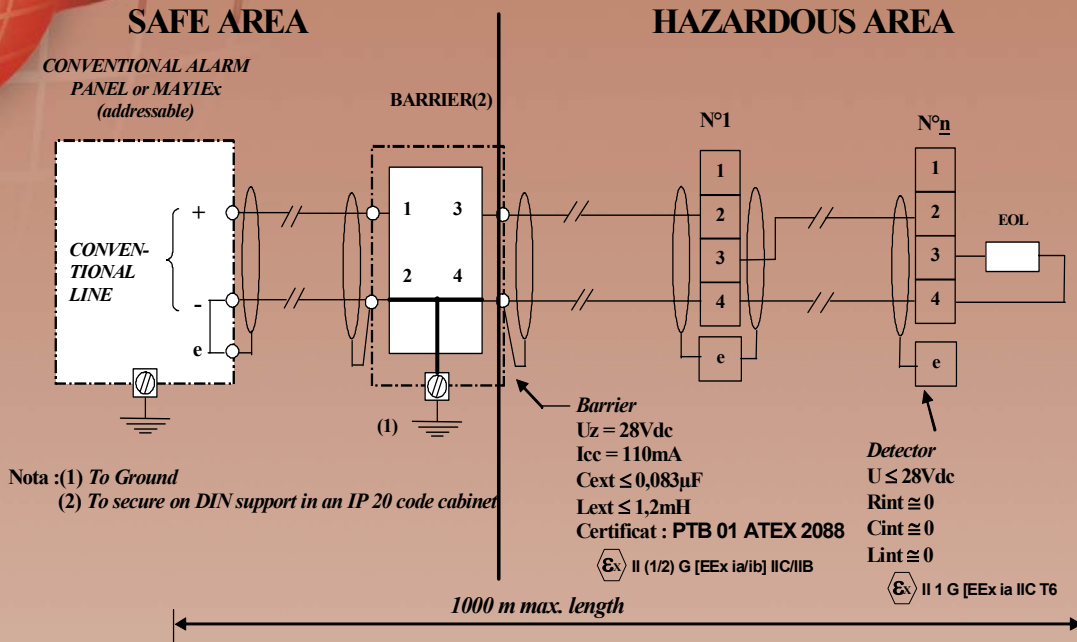
SBEx BZ3 Zener safety barrier: The SBEx BZ3 system belongs to the category of electrical systems certified as ensuring intrinsically safety. Dedicated for AVSEEx

| | |
|-------------------------|-----------------------------|
| Weight: 120g | Operating voltage: 15-28Vdc |
| dimension: 70 x 80 x 10 | Quiescent current: 0mA |

CE 0359 II (1) GD [Eex ia] IIC/BAS 01 ATEX 7005

VIREx, VTEX, VOEx, DMEx, AVSEx, MAY1Ex, SBEx BZ1, SBEx BZ3

Intrinsically safe version detectors



| REFERENCE | DESCRIPTION |
|-----------|--|
| VIREX | Intrinsically infra-red flame detector |
| VTEX | Intrinsically heat detector |
| VOEX | Intrinsically smoke detector |
| DMEX | Intrinsically manual call point |
| AVSEX | Intrinsically sounder |
| MAY1EX | Addressable intrinsically zone interface module |
| SBEX BZ1 | Zener safety barrier for VIREX, VOEX, VTEX, DMEX |
| SBEX BZ3 | Zener safety barrier for AVSEX |
| SVEX | Mounting base for Ex version |