## 2  Earth monitoring system

### 1  ATEX earth monitoring system

The monitoring units are widely applicable and very trustworthy:
- Specific monitoring systems: detection of resistance or capacity
- Safe discharging of sparks with high energy level: inside the enclosures of the monitoring unit.
- Permanent electrostatic monitoring of the object.
- Intrinsically safe permanent guarding of the earth connection.
- Red/green signal lamps for local status indication of the earth connection.
- Volt-free contacts for remote control, for instance for turning on a pump.

Ex II 2(1) G Ex d [ia Ga] IIC T6 Gb

Ex II 2(1) D Ex tb [ia Da] IIIC T85°C Db

| Zone 0 | ✗ | Zone 20 | ✗ |
| Zone 1 | ✓ | Zone 21 | ✓ |
| Zone 2 | ✓ | Zone 22 | ✓ |

ISSEP04ATEX084X

ITS18ATEX103784

### Specifications

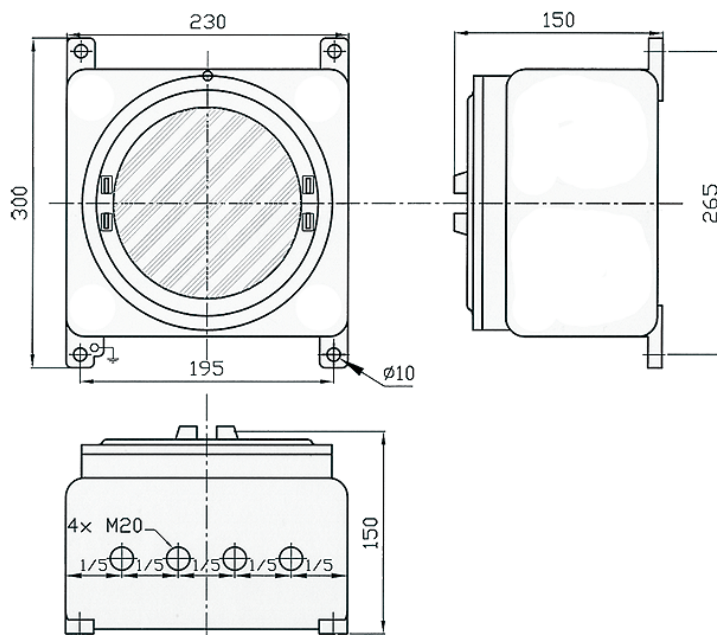| | |
|---|---|
| Housing | cast aluminium |
| Finisching | Alodine 1200, colour natural or RAL 7032 |
| Protection | IP66 |
| Voltage | 230/115VAC ±10% 50/60Hz 0,4W |
| | 24VDC ±20% 0,4W |
| Volt-free contact | 1 change over contact, 1A at 250V AC1 |
| Features | red lamp = no earthing |
| | green lamp = proper earthing |
| Gland entry | 4 x M20 x 1,5 |
| Ambiant temperature | -10°C - +40°C |
| Guideline | ATEX |
| Manufacturer | Stuvex |



### On request

- Control unit in an industrial housing (IP65/IP66, for industrial use, incl. Ex zone 22)

### Ordering data

| Code | Application | Operation | Weight |
|---|---|---|---|
| S604/EX | for general use (barrels, trucks, metal objects,...) | This is a system with resistance recognition, R <20 ohm. Once the clamp has been attached to the metal object, a low resistance is detected between the two jaws of the clamp. The monitoring unit is activated (green indication lamp on an volt-free contact for remote control). | 10 kg |
| TES-01/EX | for trucks | This is a system with capacity recognition and R <20 ohm. First the capacity of the truck is tested. When this is within the prescribed limits, the monitoring unit is activated. Since this system cannot be misled, it offers a high degree of security. | 10 kg |

### Dimensional sketches

For certificates, spare parts, light intensity diagrams, etc., please consult our website: www.ysebaert.be

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**Accessories**

| Code | Description |
|---|---|
| CL1 | clamp, large format, 260 mm, aluminium |
| CM1 | clamp, medium format, 210 mm, stainless steel |
| CS1 | clamp, small format, 162 mm, stainless steel |
| SG/B-SP1-HD3SC | Câble spirale, 3m, 3x0.75mm², with F connector |
| SG/B-SP1-HD5SC | Câble spirale, 5m, 3x0.75mm², with F connector |
| SG/B-SP1-HD10SC | Câble spirale, 10m, 3x0.75mm², with F connector |