

safety of your site

ENCLOSURES Spacial 3D.ATEX Spacial 3D



The new "ATEX Directive" No. 94/9/EC relating to equipment used in explosive, gas or dust-laden atmospheres imposes significant improvements in safety of persons and equipment in chemicals, refining, food processing, etc.

From 1st July 2003, only those products that meet the requirements of this directive can be marketed and installed.

SAREL enclosures

Spacial 3D.ATEX

Sheet steel enclosure without cut-out. Textured paint finish colour RAL 7032. Single part, cross structure body. External mechanical impact resistance: IK

It concerns implementation of new installations and extension of existing installations and relates to:

A. equipment operating independently (machines, control devices, etc.) designed for production, transport, storage, etc.

B. protection systems (flameproof barriers, extinguisher lines, etc.)

C. components: parts essential to equipment and protection systems but not operating independently (terminal blocks, explosion-proof enclosures, measurement instrumentation, relays, contactors, etc.)

Not functioning independently, Spacial 3D.ATEX enclosures are considered as components.

D. safety, control and setting devices.

The Spacial 3D.ATEX enclosure range is ATEX approved by the LCIE under reference number 02 ATEX 0037 U. Enclosures carry double marking:

- new approach 00 81 Ex II 2 G/D,
- additional marking according to EN 50014 and 50019 standards: EEx e 11.

Spacial 3D.ATEX enclosure application fields

| Destination | Category | Danger zone | SAREL offer | | |
|--------------------------------|--------------------------------|--|----------------|--|--|
| Group I Mines | M1 and M2 | fire damp and combustible dust | no | | |
| | 1 : permanent or frequent risk | zone 0 : gas, vapour zone 20 : mist, dust | no | | |
| Group II Surface industries | 2 : probable risk | zone 1 : gas, vapour zone 21 : mist, dust | yes | | |
| | 3 : low risk | zone 2 : gas, vapour zone 22 : mist, dust | , , , , | | |

A range of 10 Spacial 3D.ATEX enclosures and main accessories















External earthing by crimped blind nut (earth braid not supplied).

Double bar locking as standard. For heights above 600 mm, three door locking points with single closure point as standard.



| enclosure dimensions (mm) | | enclosure | chassis reference | | | | fixing brad | fixing bracket reference | | |
|---------------------------|-------|-----------|-------------------|-------|---------------|-----------------|---------------|--------------------------|-------|-----------------|
| height | width | depth | reference | plain | silk-screened | l microperforat | ed perforated | mixed | steel | stainless steel |
| 300 | 200 | 150 | 86515 | 55715 | - | 50415 | 55415 | - | 51206 | 51207 |
| | 300 | 200 | 86503 | 55702 | - | 50402 | 55402 | 55002 | 51206 | 51207 |
| 400 | 300 | 200 | 86518 | 55712 | 55362 | 50412 | 55417 | 55017 | 51206 | 51207 |
| | 400 | 200 | 86519 | 55719 | 55369 | 50419 | 55419 | 55019 | 51206 | 51207 |
| 500 | 400 | 200 | 86523 | 55723 | 55373 | 50423 | 55423 | 55023 | 51206 | 51207 |
| 600 | 400 | 250 | 86527 | 55726 | 55376 | 50426 | 55426 | 55026 | 51206 | 51207 |
| | 600 | 250 | 86529 | 55729 | 55379 | 50429 | 55429 | 55029 | 51206 | 51207 |
| 700 | 500 | 250 | 86535 | 55735 | 55385 | 50435 | 55435 | 55035 | 51206 | 51207 |
| 800 | 600 | 300 | 86557 | 55756 | 55396 | 50456 | 55456 | 55056 | 51206 | 51207 |
| 1000 | 800 | 300 | 86561 | 55760 | - | 50460 | 55460 | 55060 | 51206 | 51207 |

conforming to ATEX Directive 94/9/EC

Degree of protection: IP 66. Polyurethane door seal. Double thickness, gutter shape front body profile.

Plain door. Easy door removal and reversal for left-opening.





4 shouldered M8x25 backstuds for mounting of step slides and plain, silk-screened, microperforated, Telequick perforated or mixed chassis.

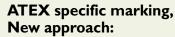


Four crimped blind nuts for installation of wall fixing brackets (order obligatory).

Permissible load: 4x60 kg.

Every Spacial 3D.ATEX enclosure is supplied with installation instructions in 6 European languages.

A written conformity declaration can be obtained on request from your local SAREL sales office.



Ex: explosive atmosphere
II: group II (see table opposite)

2: risk category

G and D: inflammable substances: gas and dust.

Additional marking:

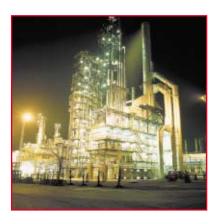
EEx: conforming to standard EN 50014 and EN 50019

e: double safety

II: group II, components for surface industries.









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