



safety
of your site

ENCLOSURES
Spacial 3D.ATEX

Spacial 3D



New ATEX European Directive No. 94/9/EC
became effective on 1st July 2003

SAREL

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.

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 II.

Spacial 3D.ATEX enclosure application fields

Destination	Category	Danger zone	SAREL offer
Group I Mines	M1 and M2	fire damp and combustible dust	no
Group II Surface industries	1 : permanent or frequent risk	zone 0 : gas, vapour zone 20 : mist, dust	no
	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



enclosure dimensions (mm)			enclosure		chassis reference					fixing bracket reference	
height	width	depth	reference	plain	silk-screened	microperforated	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	250	86527	55726	55376	50426	55426	55026		51206	51207
600	600	250	86529	55729	55379	50429	55429	55029		51206	51207
	700	500	86535	55735	55385	50435	55435	55035		51206	51207
800	600	300	86557	55756	55396	50456	55456	55056		51206	51207
	1000	800	86561	55760	-	50460	55460	55060		51206	51207

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



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.



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.

ATEX specific marking, New approach:

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.



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.





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Due to evolution of standards and equipment, characteristics indicated in text and images of this document are not contractual and are subject to confirmation by our departments. For aspects relating to regulations, refer to ATEX Directive No. 94/9/EC.



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