## How safe is your workspace?

From July 2006 the onus was placed upon companies to ensure that all equipment within their organisations is suitable for the environment in which it is being used. This was aimed particularly at areas where there may be a possibility of a combustible atmosphere being present, even for short periods i.e. less than 10 hours/year.

People normally think of such atmospheres as being gases, mists or vapours, however there are various industries where a conductive or non-conductive dust mixed with air in the right proportion can become explosive. It is these areas where the Craig \& Derricott ATEX Group II (Zone 22) equipment can be used to help you comply with Health \& Safety regulations.

Typical industries where such atmospheres may be generated:-

- Grain Mills - Powder Coating Plant
- Textiles
- Chemicals
- Cargo Handling • Woodworking
- Pharmaceuticals • Waste Processing

There are different degrees of protection against explosive dusts, and Zone 22 is defined as:-
"A place in which an explosive atmosphere, in the form of a cloud of combustible dust in air, is not likely to occur in normal operation but, if it does occur, will persist for a short period only."

Craig \& Derricott has been manufacturing enclosed switchgear for more than 60 years. We have incorporated all of that experience in producing an outstanding product that has now been approved for use in explosive dust atmospheres.

Using high quality die cast aluminium and hinged lid sheet steel enclosures the range covers 20A-63A ratings

Catalogue Numbers

| Rating | Format | Cat. No. | Enclosure <br> Size |
| :---: | :---: | :---: | :---: |
| 20A | $6 P+2$ EB Aux | SDDG206EBZ22 | A |
| 25A | 3P+2 EB Aux | SDDG253EBZ22 | A |
| 32A | 3P+2 EB Aux | SDDG323EBZ22 | A |
|  | $6 P+2$ EB Aux | SDDG326EBZ22 | B |
| 40A | 3P+2 EB Aux | SDDG403EBZ22 | B |
|  | $6 P+2$ EB Aux | SDDG406EBZ22 | B |
| 63A | 3P+2 EB Aux | SDDG633EBZ22 | B |
|  |  |  |  |
| $\mathbf{6 3}$ | 3P+2 EB Aux | SDMG633EBZ22 | C |
|  | $6 P+2$ EB Aux | SDMG636EBZ22 | D |

("Manufacturers Directive") Sets out the route equipment manufacturers must take to get their products certified for use in hazardous environments.
("Users Directive") Defines the classifications for protection zones, and the approach users must take to ensure that the correct equipment is matched to specific hazardous environments.
Both of the above are classed as 'ATEX' directives and are concerned solely with ensuring safety in the workplace.

- DSEAR
- BS EN 60079-0
- BS EN 60079-31
- BS EN 61241-0
- BS EN 61241-1
- BS EN 60529
- BS EN 60947-3
- BS EN 60204-1

Dangerous Substances and Explosive Atmospheres Regulations 2002.
Explosive atmospheres - Part 0: Equipment - General requirements.
Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t". Electrical apparatus for use in the presence of combustible dust - General requirements. Electrical apparatus for use in the presence of combustible dust - Protection by enclosures 'tD'. Specification for degrees of protection provided by enclosures. (IP code) Specification for low-voltage switchgear and control gear. Safety of machinery. Electrical equipment of machines - General requirements.


Size A



Moulded Padlocking
Handle \& Base mounted interiors

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## (i) Technical Specification

Data supplied against tests to BS EN 60947-3


## (i) Certification Details 20A - 63A

Die cast Aluminium
Coding
(Ex) II 3D
Ex tc IIIB $\mathrm{T} 85^{\circ} \mathrm{C}$ dc
Complies in part or in full with standards:-
BS EN 60079-0, BS EN 60079-31
BS EN 60529, BS EN 60947-3, BS EN 60204-1
Sheet steel

## Coding

(Ex) II 3D Ex tD A22 IP65 T85 ${ }^{\circ} \mathrm{C}$

Complies in part or in full with standards:BS EN 60079-0, BS EN 61241-0, BS EN 61241-1 BS EN 60529, BS EN 60947-3, BS EN 60204-1
(Must not be used in areas which exhibit conductive dust)

## 区xx Enclosed Switchgear

## Dimensions



Enclosure Sizes C \& D

(Sheet Steel)

| Dim | H | W | D | A | B | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Size C | 250 | 256 | 108 | 286 | 206 | 320 |
| Size D | 250 | 306 | 208 | 286 | 256 | 320 |

4 MOUNTING
HOLES © 5


Technical


[^0]:    Other ratings are available upon request.

