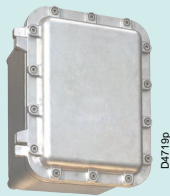
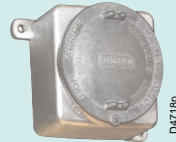




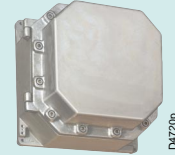
8225 + 8125



8263 (EJB)



GUB



8261



8202



8218



8214

Product range

Our product range contains a wide variety of flameproof enclosures which offer a selection of sizes, designs and materials. The 8225 sheet steel enclosure series is designed for single installations as well as for large distribution units. The cast metal enclosures in the GUB, EJB and 8261 series, the moulded plastic enclosures in the 8202 series and the 8214 and 8218 panel mounting type enclosures are intended for single installations.

Flameproof enclosures

The "flameproof" type protection 'd' is based on the principle that electrical components which may cause sparks or arcing in normal operation (switches, contactors etc.) are in an enclosure constructed so that it will contain an explosion of flammable gas or vapour and will not permit ignition of a surrounding explosive atmosphere. Further, the temperature of the outside surface of the enclosures must not exceed the prescribed temperature limit for the appropriate temperature class. That means, the heat loss from the components fitted must not exceed a specified value.

Direct cable entry

Cables can be brought into and out of flameproof enclosures directly. Flameproof cable glands or conduit with seals must be used for this purpose.

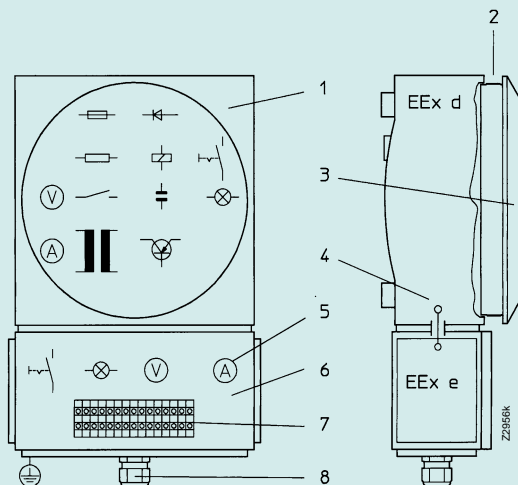
Indirect cable entry

Cables can also be brought in and out of flameproof enclosures via a terminal chamber with "increased safety" protection type. The cable is normally brought into the chamber via a cable gland, however other methods of entry are possible. The cable passes into the flameproof enclosure via insulated, flameproof, stud-type or conductor bushings, set into the enclosure wall.

Empty enclosures

When supplying EEx d enclosures, a certificate for the empty enclosure is provided, confirming that the relevant construction requirements are met. The final assembly must be approved and certified by an authorized specialist, in accordance with regulations.

STAHL

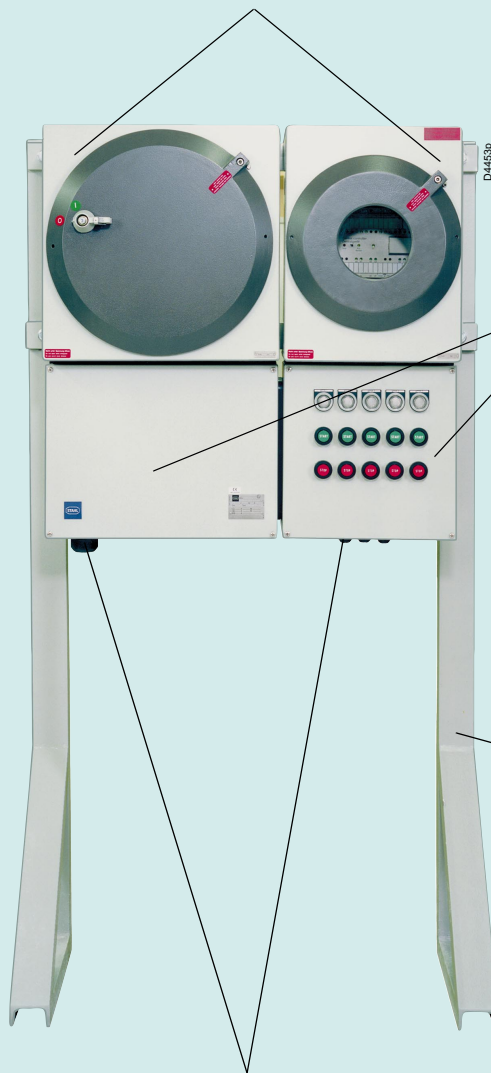


Schematic representation of a flameproof enclosures with a terminal chamber

- 1 Enclosure EEx d, "flameproof" construction, pressure withstanding
- 2 Lengths and clearances of joint "paths" comply with manufacturing regulations EN 50 018
- 3 Cover
- 4 Conductor bushing, pressure tight, flameproof, increased insulation paths
- 5 Indication and control devices in EEx d/e
- 6 Terminal chamber EEx e, \geq IP 54
- 7 EEx e terminals, indication and control devices in EEx d/e
- 8 Cable entry, e.g. cable glands,
 - bell mouthed glands
 - cable dividing boxes

EEx d Enclosures Flameproof Encapsulation

- Enclosures in sheet steel
- 6 basic enclosure sizes with different depths
- Enclosures can be combined (modular system)
- Installation of commercially available electrical equipment
- Switch actuated externally
- Inspection windows fitted (also with axial lead-through)
- Direct or indirect cable entries possible



EEx e Enclosures Increased Safety

- Enclosure in sheet steel
- 6 basic enclosure sizes with different depths
- Enclosures can be combined (modular system)
- Flameproof control equipment fitted
- Use as connection chamber with cable entries and terminal blocks

Support Frames

- Galvanized steel section
- Wall-mounting or free-standing
- Can be provided with protective roof

Cable Entries

- Indirect entries through EEx e enclosures
 - Cable glands
 - Bell-mouthed glands
 - Cable sealing ends
- Entry with armoured and plain cable