

# Flameproof (Type 'd') Transformers



## Application

Flameproof transformers, type FPT are intended for use in areas made potentially hazardous by the presence of flammable liquids, gases or vapours (Zone 1 or Zone 2).

For installation at petroleum refineries, chemical and petrochemical plants and other process industries where a similar hazard exists.

## Features

- Full Certificate of Conformity for Group IIA, IIB and IIC areas.
- Enclosures used are from EJB (EExd IIB) and GUB (EExd IIC) ranges.
- Fused primary and secondary.
- Up to 3 KVA.
- ISO Metric entries as standard. Other thread entries available on request.

## Material

Body and cover	-Standard: Copper free aluminium alloy LM25 (BS 1490) -Optional: Cast Iron ISO 185:1998
Cover Bolts	- Standard: Steel zinc plated. - Optional : Stainless steel.

## Finish

Standard:	Two coat of Gray oven backed.
Optional:	Two pack epoxy paint, or electrostatic powdercoated

## Approvals

CENELEC Standards  
EN 50014 / 50018  
ISSeP Certificate of Conformity:  
For EJB Enclosures: 96D.103.1239 EExd-IIB T5  
For GUB Enclosures: 96D.103.1242 EExd-IIC T5



## Protection Grade

IP 54 - Application of an approved non-hardening grease will give added resistance to the ingress of dust and moisture.

-IP65/66

## Entries & thread standards

Thread forms available are ISO metric 965.1 with 1.5 mm pitch, NPT ANSI B1.20.1, ISO 228.1 (G), or DIN 40430 (PG).

## Options

Mounting brackets and screws.  
Stainless steel bolts. Epoxy paint or electrostatic powder coated.  
Cast Iron body and cover.

## Earthing

All enclosures are supplied complete with a 6 mm<sup>2</sup> internal and external earth stud as standard.

## Mounting

For EJB enclosures, mounting is by four blind holes drilled and tapped in back of enclosure. For GUB enclosures mounting holes are part of enclosure. Mounting brackets are also available as an optional extra, see 'Options'.

## Transformer Rating

A range of flameproof transformers from 100 VA upto 3000 VA all with fused primary and secondary windings, earth screens fitted as standard.

Table below shows different transformers VA ratings. Variations can be supplied to customer specifications, please advise requirements when ordering.

VA Rating	Cat. No.	Entries
100 VA	FPT 01	2 x M20
250 VA	FPT 02	2 x M20
500 VA	FPT 03	2 x M20
750 VA	FPT 04	2 x M20
1000 VA	FPT 05	2 x M20

VA Rating	Cat. No.	Entries
1500 VA	FPT 06	2 x M20
2000 VA	FPT 07	2 x M20
2500 VA	FPT 08	2 x M20
3000 VA	FPT 09	2 x M25

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- Specify cable and thread forms on ordering.
- Specify any optional accessories, if required.
- Design is subject to alteration without notice.