



**TX6636**

## **INTRINSICALLY SAFE POWER SUPPLY**



**to convert an ac supply voltage into a stabilised and regulated IS source for supplying power to approved sensors and electronic control devices**

### **features...**

- 12V dc IS output voltage.
- Resistively limited output circuit.
  - Output current 0.25A.
  - Available as a chassis.
- Optional isolation relays.
- 110V ac input voltage.

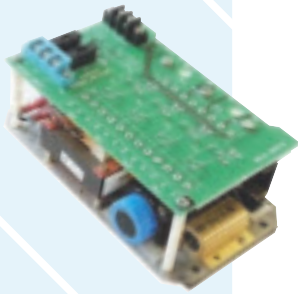
## OPERATING DATA

### technical details...

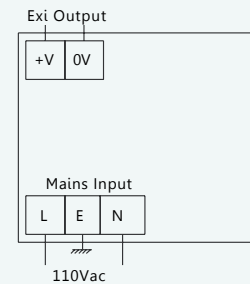
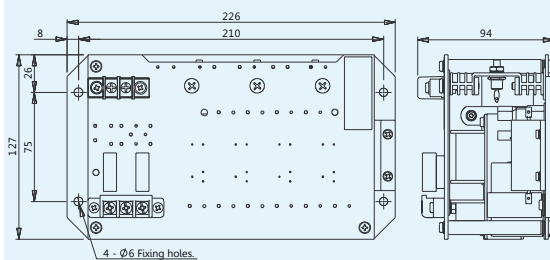
Input Voltage:	110V ac 60Hz
Output Voltage:	12V dc $\pm 1V$
Output Current:	0.25A
Operating Temp. Limits:	-5°C...+70°C
Humidity:	0...95% RH, non-condensing.

### dimensions...

### connections...



**TX6636 INTRINSICALLY SAFE POWER SUPPLY CHASSIS**

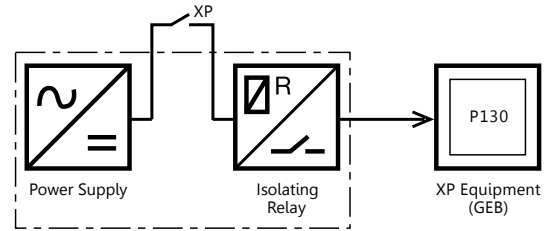


## OPERATING DATA

### power supplies with isolating relays...

Isolating relays may be combined with the Power Supply. The operating coils of the relays are Intrinsically Safe and the contacts are clearance compatible for switching non-intrinsically safe apparatus or devices in separate XP enclosures (eg. P130 pilot circuits).

A standard power supply chassis is fitted and wired with four independent relays with field connection facilities for coils and contacts. The coils are rated for 12V dc operation.

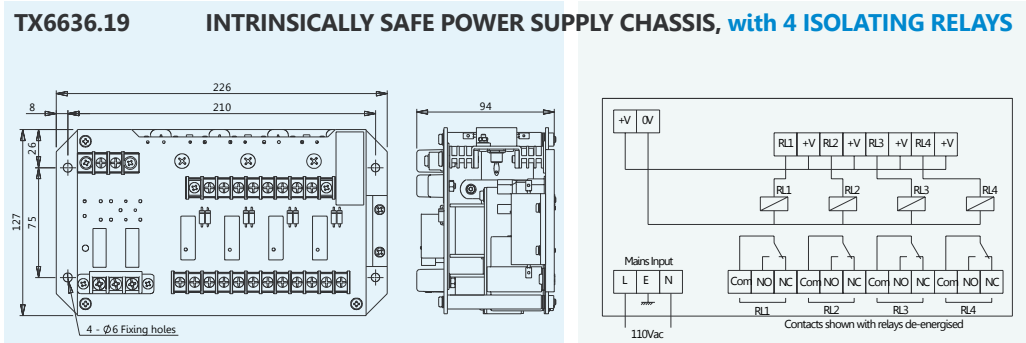
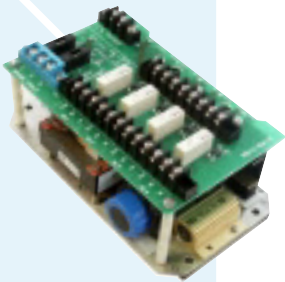


### technical details...

	Nominal O/P Voltage	Max O/P Current	Relay Contact Rating	Coil Resistance
TX6636.19	12V dc	0.25A	10A 230V ac	580 Ohm

### dimensions...

### connections...



## OPERATING DATA

### order reference...



#### INTRINSICALLY SAFE POWER SUPPLY CHASSIS

(Supplied loose, ready for fitting and wiring)

	Nominal O/P Voltage	Max O/P Current
<b>TX6636</b>	12V dc	0.25A



#### INTRINSICALLY SAFE POWER SUPPLY CHASSIS with RELAYS

(Supplied loose, ready for fitting and wiring)

	Nominal O/P Voltage	Max O/P Current	Relay Contact Rating
<b>TX6636.19</b>	12V dc	0.25A	10A 230V ac

### certification...

#### Model TX6636 Intrinsic Safety Power Supply

MSHA Intrinsic Safety Evaluation No. 18-ISA080006-0

Meets the requirements of Title 30 Code of Federal Regulations, Section 18.68.

Refer to current MSHA Intrinsic Safety Evaluation for TX6636 Output Parameters and MSHA Requirements of Use.