

# INTRINSICALLY SAFE ISOLATING RELAY UNIT (Ex eq)



**A T E X**  
**M 2 / M 1**  
GROUP I  
INTRINSICALLY  
SAFE

Four isolating relays,  
housed in an Ex eq enclosure  
for interfacing between Exi and  
Exd control currents

## features...

- 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 Exd enclosures.
- The connecting terminals of the relay are Exe standard.
- Robust stainless steel housing couples directly to standard Trolex housings using a Trolex coupling bush.

## choice

- The relay coils can be rated for either 7.5 V dc or 12 V dc operation and each relay carries one changeover contact.



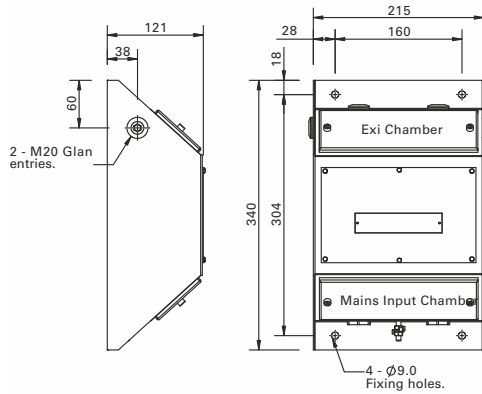
**MINING**  
•  
**TUNNELLING**



## technical details...

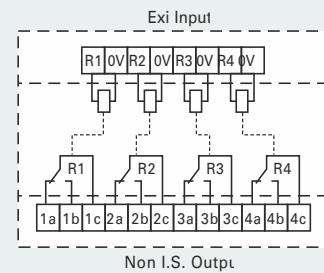
Number of Relays:	4
Relay Contact Format:	One changeover per relay
Relay Contact Rating:	5 Amp at 230 V ac max per relay
Relay Coil Voltage:	7.5 V dc or 12 V dc
Relay Coil Current:	27 mA max      26 mA max per relay
Max. Operating Temperature:	-20°C to +55°C
Storage Temperature:	-20°C to +70°C
Humidity:	0 to 95% RH, non-condensing
Vibration Limits/Low Frequency:	0.25 mm pk, sinusoidal vibration in the range 10Hz to 100Hz in 3 perpendicular planes
Medium Frequency:	2g pk, sinusoidal vibration in the range 10Hz to 600Hz in 3 perpendicular planes
Mechanical Shock:	1000 shocks of 40g minimum in 3 perpendicular planes
Housing Material:	Stainless Steel

## dimensions...



ALL DIMENSIONS IN MM

## Connections



**Ex**  
ATEX  
M2/M1  
GROUP I  
INTRINSICALLY  
SAFE

## order reference...



**TX6661 INTRINSICALLY SAFE ISOLATING RELAY UNIT (Ex eq)**

Please specify **INPUT VOLTAGE OPTIONS:**

- |            |       |
|------------|-------|
| • 7.5 V dc | (109) |
| • 12 V dc  | (101) |

## certification & approval...

**Ex** **TX6661 INTRINSICALLY SAFE ISOLATING RELAY UNIT (Ex eq):**  
Sira 02ATEX3420X I M2 Ex eq I Mb  
Designed to comply with the requirements of the ATEX directive: 94/9/EEC

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