



# DECLARATION OF CONFORMITY

DOC2017004A

We, the undersigned, on behalf of Synatel Instrumentation Limited, hereby declare the products listed below conform to the relevant provisions of the legislation, as well as pertinent clauses of the standards and other normative documents mentioned herein.

**EQUIPMENT DESCRIPTION** : 18 MM AI SERIES OF INDUCTIVE PROXIMITY SWITCHES  
**PRODUCT NAMES** : M100xxxAI , P100xxxAI  
**CUSTOMER** : 4B BRAIME ELEVATOR COMPONENTS

**ATEX DIRECTIVE** : 2014/34/EU

**CERTIFICATE No.** : Baseefa14ATEX0115X  
**ISSUED BY** : SGS Baseefa,, Staden Lane, Buxton, Derbyshire, SK17 9RZ  
**NOTIFIED BODY NO.** : 1180

**CATEGORIES** : II 2G Ex mb IIC T5 Gb  
II 2D Ex mb IIIC T100°C Db  
I M2 Ex mb Mb  
Tamb -15°C to 50°C , IP66

**BS EN 60079- 0** :2012 Explosive Atmospheres- General requirements  
**BS EN 60079-18** :2009 Equipment protection by encapsulation 'm'

## SPECIFIC CONDITIONS OF USE

1. The supply circuit shall be protected by a suitably rated fuse capable of interrupting a short circuit current of 1500 Amps.
2. Warning: Potential static ignition risk, clean only with a damp cloth.
3. The integral cable shall be terminated in a suitably certified enclosure or in the safe area.
4. For Group I M2 applications the sensor shall only be used in areas with a low risk of impact.
5. For Group I M2 applications the sensor shall be protected from exposure to chemicals such as oils, greases and hydraulic liquids.

**LOW VOLTAGE DIRECTIVE** : 2014/35/EU

**BS EN 61010-1** :2010 General safety requirements for electrical equipment  
**BS EN60332-1-1** :2004 Single cable flame propagation test

**EMC DIRECTIVE** : 2014/30/EU

**BS EN 61000-6-3** :2007 Electromagnetic Compatibility - General Emission Standard  
**BS EN 61000-6-1** :2007 Electromagnetic Compatibility - General Immunity Standard

## RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE 2011/65/EU

No required or relevant standards are applicable

SIGNED:

DATE : 20<sup>th</sup> April 2016

NAME: D.Wheat

POSITION: Managing Director