



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa11ATEX0234X**

4 Equipment or Protective System: **Non-Contact Safety Interlock Switches types;
WM1-EX, WM2-EX, CM1-EX, CM2-EX, CM3-EX, LM-EX & RM-EX**

5 Manufacturer: **IDEM Safety Switches Limited**

6 Address: **Unit E9, Moss Industrial Estate, Leigh, Lancashire, WN7 3PT**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR11.0224/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0: 2009 and EN 60079-18: 2009

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

⊕ II 2GD Ex mb IIC T6 Gb Ex mb IIIC T80°C Db or ⊕ II 1GD Ex ma IIC T6 Ga Ex ma IIIC T80°C Da

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **6463**

Project File No. **09/0869**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

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Registered in England No. 4305578. Registered address as above.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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15 Description of Equipment or Protective System

The Non Contact Safety Interlock Switches consist of up to 3 reed switches fully encapsulated within a variety of stainless steel housing and protected by an internal fuse. The following models (CM1-Ex 901---, CM2-Ex 902---, CM3-Ex 903---, LM-Ex 904---, RM-Ex 905---, WM2-Ex 9002--) are coded:

⊠ II 2GD Ex mb IIC T6 Gb Ex mb IIC T80°C Db

Model WM1-Ex 9001-- is coded:

⊠ II 1GD Ex ma IIC T6 Ga Ex ma IIC T80°C Da

All models are rated for a supply of up to 230V ac or 24V dc with a current of up to 2A for normally closed contacts, depending on model, and 200mA for normally open contacts.

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17 Specific Conditions of Use

1. The supply must include a fuse capable of interrupting a 1500A short circuit current.
2. When rated at 2A the switches are suitable for use in an ambient temperature range of -20°C to +60°C.
3. When rated at 1A or lower the switches are suitable for use in an ambient temperature range of -20°C to +80°C.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
900501-EX	1	1	04-10-11	WM1-Ex
900502-EX	1	1	04-10-11	WM2-Ex
901501-EX	1	1	04-10-11	CM1-Ex
902501-EX	1	1	04-10-11	CM2-Ex
902502-EX	1	1	04-10-11	CM2-Ex
903501-EX	1	1	04-10-11	CM3-Ex
904501-EX	1	1	04-10-11	LM-Ex
905501-EX	1	1	04-10-11	RM-Ex
900557-EX	1	1	04-10-11	WM1-Ex Label
900558-EX	1	1	04-10-11	WM2-Ex Label
901553-EX	1	1	04-10-11	CM1-EX Label
902553-EX	1	1	04-10-11	CM2-EX Label
902554-EX	1	1	04-10-11	CM2-EX Label

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Number	Sheet	Issue	Date	Description
903553-EX	1	1	04-10-11	CM3-EX Label
904553-EX	1	1	04-10-11	LM-EX Label
905554-EX	1	1	04-10-11	RM-EX Label

All drawings are common to and held with IECEX BAS 11.0115X