



EC - TYPE EXAMINATION CERTIFICATE

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

EC - Type Examination Certificate Number: **Baseefa05ATEX0003X**

Equipment or Protective System: **M-VIP SERIES SWITCHES**

Manufacturer: **LONGVALE LIMITED**

Address: **Lancaster Park, Needwood, Burton-upon-Trent, Staffs, DE13 9PD**

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

Baseefa (2001) Ltd., 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. **04(C)0828**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0: 2004 and EN 60079-18: 2004

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

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.

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.

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

 **II 2G EEx mb II T6**

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

Baseefa Customer Reference No. **5323**

Project File No. **04/0828**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

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Baseefa is a trading name of Baseefa (2001) Ltd
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R S SINCLAIR

DIRECTOR

On behalf of

Baseefa (2001) Ltd.

Re-issued 15th May 2006 to add Change of Address



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Schedule

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Certificate Number Baseefa05ATEX0003X

15 Description of Equipment or Protective System

There are 4 switch types in the range:

3 core cable version: M-VIP-M and M-VIP-M-S,

6 core cable version: M-VIP-M-SPCO and M-VIP-M-SPCO-S

The M-VIP Range of Switches are self contained reed switches and PCB's with a variety of different functions contained within a small plastic housing 55mm x 45mm x 25mm. The reed switches and PCB's are encapsulated inside the housing using epoxy resin. The housing consists of an open backed plastic body. There are two slots in the body component for securing/mounting the M-VIP switch assembly by the use of two screws.

There is a PVC strain relief device in the side wall of the housing that secures an integral 3 or 6 core cable in to the housing for connection to a 24-250V AC/DC supply. The switches have a maximum switching capacity for the 3 core cable version of 3A (250V AC/DC, 60VA), and for the 6 core cable version 1A (250V AC/DC, 20VA), using two reed switches.

16 Report Number

04(C)0828

17 Special Conditions for Safe Use

1. The supply circuit shall be protected by a suitably rated 1500 Amp capable fuse.
2. The switch must be mounted inside an enclosure to fully protect it from the risk of impact or exposure to U.V.
3. The integral supply cable must be terminated in a suitable ATEX certified enclosure or in a safe area.

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	Issue	Date	Description
PRC 10	1	11/01/05	PVC cable for M-VIP-M
PRC 11	1	11/01/05	PVC cable for M-VIP-M-SPCO
FA 17	0	07/02/05	Final assembly for: M-VIP-M
FA 18	0	07/02/05	Final assembly for: M-VIP-M-SPCO
BOD 1	1	11/01/05	Outline dimensions for M-VIP-M
LAB 001	0	25/01/05	Label layout for M-VIP-M



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **Baseefa05ATEX0003X/1**

4 Equipment or Protective System: **M-VIP SERIES SWITCHES**

5 Manufacturer: **LONGVALE LIMITED**

6 Address: **Lancaster Park, Needwood, Burton-upon-Trent, Staffs, DE13 9PD**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa05ATEX0003X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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

Baseefa Customer Reference No. **5323**

Project File No. **05/0433**

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PP **R S SINCLAIR**
DIRECTOR
On behalf of
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Schedule

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Certificate Number Baseefa05ATEX0003X/1

15 Description of the variation to the Equipment or Protective System

Variation 1.1

To allow use of alternative 3 core cable.

Variation 1.2

To update drawing notes.

Variation 1.3

To update address on certification label.

Variation 1.4

To extend the ambient range to +50°C

16 Report Number

None

17 Special Conditions for Safe Use

None additional to those listed previously.

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
PRC12	1	15 /05/06	Thermorad cable for M-VIP-M
FA17	1	10/05/06	Final assembly for: M-VIP-M
LAB01	1	16/05/06	Label layout for M-VIP-M