



1 **EC-TYPE EXAMINATION CERTIFICATE**

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

3 EC-Type Examination Certificate Number : **MECS02ATEX5094U**

4 Component: **TYPE 66MK2A HALF COUPLER**

5 Manufacturer: **VICTOR PRODUCTS LIMITED**

6 Address: **Newcastle-upon-Tyne, NE27 0QF**

7 This Component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 The Electrical Equipment Certification Service, notified body number 600 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

00(C)0943 dated 12 March 2002

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

EN 50014: 1997 + Amds 1 & 2 **EN 50018: 2000**

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

10 The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

11 This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:-

 **IM 2** **EEx d I**

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

File No: EECS 1186/05/106

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
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I M CLEARE
DIRECTOR
2 May 2002



13 **Schedule**

14 **EC-TYPE EXAMINATION CERTIFICATE No. MECS02ATEX5094U**

15 **Description of Component**

Type 66MK2A Half Coupler for use at 6600V, 500A (maximum) comprising a compound filled sealing box, made of cast gunmetal, fitted with a cable gland assembly for single wire armoured cable. Access for filling with compound is via two Group I stopper plugs as HSE(M) 88B5160U. The half coupler incorporates an insulator assembly with three main contact tubes and up to six pilot connectors which are crimped to the cable conductors.

There is a mounting facing at one end of the unit for connection via contact pins, a sealing ring and appropriate fasteners to any appropriately certified Group I apparatus or component having an interface to BS 3905: 1995.

VARIATION 0.1

Alternative sealing box materials comprising an alternative grade of gunmetal or:-

- 0.1.1 Aluminium bronze, or
- 0.1.2 Cast iron, or
- 0.1.3 Malleable iron or
- 0.1.4 SG cast iron.

VARIATION 0.2

Alternative cable gland assembly for use with double wire armoured cable.

VARIATION 0.3

Alternative contact tubes to allow cable connection by means of grub screws.

VARIATION 0.4

Alternative contact tubes to allow the crimped assembly with aluminium conductors.

VARIATION 0.5

Alternative cable gland assembly for use with unarmoured or steel wire braid (SWB) cable.

16 **Report No.**

00(C)0943

17 **Schedule of Limitations**

The half coupler should not be used with equipment for which the routine pressure test exceeds 10 bar without further assessment or tests.



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Schedule

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EC-TYPE EXAMINATION CERTIFICATE No. MECS02ATEX5094U

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Essential Health and Safety Requirements

Essential Health & Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.0.2	Analysis of possible operating faults	Considered as part of EN 50014 and EN 50018
1.0.3	Special checking and maintenance conditions	Manufacturer's Instructions
1.0.6	Instructions	Considered as part of EN 50014 and Manufacturer's Instructions
1.2.2	Components for incorporation or replacement	Manufacturer's Instructions
1.2.4	Dust deposits	Considered as part of EN 50014
1.2.5	Additional means of protection	Not applicable
1.2.7	Protection against other hazards	Not applicable
1.3.5	Hazards arising from pressure compensation	Not applicable
1.5	General requirements for safety devices	Not applicable
1.6.1	Manual override	Not applicable
1.6.2	Emergency shutdown	Not applicable
1.6.3	Hazards arising from power failure	Not applicable
1.6.5	Placing of warning devices as parts of equipment	Not applicable
2.0	Category M2	MECS Report No. 00(C)0621
2.1	Category 1	Not applicable
2.2.1	Category 2G	Not applicable
2.2.2	Category 2D	Not applicable
2.3	Category 3	Not applicable
3.	Requirements for protective systems	Not applicable

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DRAWINGS

Number	Issue	Date	Description
CA146 Sheets 1 & 2	1	8.3.02	Type 66MK2A Half Coupler

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BASEEFA List Keywords
1COUPLER

1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment or Protective System
Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 EU - Type Examination Certificate Number: **MECS02ATEX5094U – Issue 1**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **Type 66 MK2A Half Coupler**

5 Manufacturer: **Victor Products Limited**

6 Address: **Unit 3A, Tyne Dock East Side, Port of Tyne, South Shields, Tyne & Wear,
NE33 5SQ United Kingdom**

7 This re-issued certificate extends EC Type Examination Certificate No. MECS02ATEX5094U to apply to product 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.

8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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

EN IEC 60079-0:2018 EN 60079-1:2014

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

10 The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

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

12 The marking of the product shall include the following:

 **I M2 Ex db I Mb**

SGS Baseefa Customer Reference No. **1186**

Project File No. **22/0133**

This document is issued by the Company subject to their General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of their intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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Mikko Välimäki
Authorised Signatory for SGS Fimko Oy

Business ID 0978538-5 Member of the SGS Group (SGA SA)

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Schedule

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Certificate Number MECS02ATEX5094U – Issue 1

15 Description of Product

Type 66MK2A Half Coupler for use at 6600V, 500A (maximum) comprising a compound filled sealing box, made of cast gunmetal, fitted with a cable gland assembly for single wire armoured cable. Access for filling with compound is via two Group I stopper plugs as HSE(M) 88B5160U. The half coupler incorporates an insulator assembly with three main contact tubes and up to six pilot connectors which are crimped to the cable conductors.

There is a mounting face at one end of the unit for connection via contact pins, a sealing ring and appropriate fasteners to any appropriately certified Group I apparatus or component having an interface to BS3905:1995

16 Report Number

See Certificate History

17 Schedule of Limitations

1. The half coupler should not be used with equipment for which the routine pressure test exceeds 10 bar without further assessments or tests.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product:

Clause	Subject
13	LVD type requirements
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
CA146	1+2	2	21/02/22	Type 66 MK2A Half Coupler

Certificate Number
MECS02ATEX5094U
Issue 1



Issued date
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20 Certificate History

Certificate No.	Date	Comments
MECS02ATEX5094U	12 March 2002	The release of the prime certificate. The associated test and assessment against the requirements of EN 50014: 1997 + Amendments 1&2 and EN 50018:2000 is documented in Test Report No. 00(C)0943.
MECS02ATEX5094U Issue 1	03 Aug 2022	Standards update to EN IEC 60079-0:2018 EN 60079-1:2014 and is assessed in test report 22(C)0133
For drawings applicable to each issue, see original of that issue.		