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: **MECS02ATEX5182U – Issue 3**

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 CCBX1A Half Coupler**

5 Manufacturer: **Victor Products Ltd**

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. MECS02ATEX5182U 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:

Ex I M2 Ex db I Mb

SGS Baseefa Customer Reference No. **1186** Project File No. **22/0114**

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13 # Schedule

14 ## Certificate Number MECS02ATEX5182U – Issue 3

15 Description of Product

Type CCBX1A Half Coupler for use at 11,000V, 500A (maximum) comprising a compound filled sealing box, made of cast gunmetal, aluminium bronze, cast iron, malleable iron or SG cast iron, fitted with a cable gland assembly. 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/ earth connectors which are crimped to the cable conductors. The insulator incorporates optional screening fins. An additional external earth or earth terminal fixing screw is available.

There is a mounding facing at one end of the unit for connection via contact pins, grub screws or crimped connections, a sealing ring and appropriate fasteners to any appropriately certified group I apparatus or component.

16 Report Number

22(C)0114

17 Schedule of Limitations

1. The half coupler should not be used with equipment for which the routine pressure test exceeds 10bar without further assessment or tests.
2. The flame path at both the component and associated enclosure interfaces shall have a minimum length of 12.5mm and a maximum gap of 0.4mm.

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, and conformity is demonstrated in the report:

Clause	Subject
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
CA164	1-4	3	10/02/22	11000V-500Amp Type CCBX1A Bolted Flameproof Half Coupler Assembly

20 Certificate History

Certificate No.	Date	Comments
MECS02ATEX5182U	2 July 2002	The release of the prime certificate. The associated test and assessment against the requirements of EN 50014:1997 Amds 1&2 and EN 50018:2000 and is documented in Test Report No. 01(C)1084.
MECS02ATEX5182U/1	18 February 2005	To permit the use of an additional external earth terminal and an alternative gland fixing screw. No report issued.

Certificate No.	Date	Comments
MECS02ATEX5182U/2	6 April 2008	This supplement assessed the equipment against the requirements of EN 60079-0:2006 and EN 60079-1:2007 and a change in marking as per the requirements of this update. It also allowed for a change in design of the unarmoured cable gland and main body casting to reduce overall length. The assessment is covered in report 09(C)0282
MECS02ATEX5182U Issue 3	31 August 2023	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN IEC 60079-0: 2018 & EN 60079-1: 2014 including the revision of the equipment marking in accordance with these standards. Assessment is covered in report 22(C)0114
For drawings applicable to each issue, see original of that issue.		