



81 **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 : **MECS02ATEX5102U**

4 Component: **TYPE A41SR RESTRAINED SOCKET**

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°

**01(C)1008 dated 9 April 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:-

 **I M 2                      EEx d I**

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

File No: EECS 1186/05/111

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.



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**I M CLEARE**  
**DIRECTOR**  
**9 April 2002**



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### Schedule

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#### Description of Component

**Type A41SR Restrained Socket**, rated at up to 250A, 650/1300V. The socket comprises a brass and gunmetal enclosure, incorporating an insulator assembly with three main contact pins, one pilot circuit contact tube and an earth contact.

The power and pilot contact pins are fitted with grub screws for cable core connectors.

The contact pin assembly may be set in the 650V or 1300V mode.

One end of the socket is for association with a restrained plug, suitably certified for Group I use, in accordance with EN 50014 and EN 50018, having a flameproof interface as BS 5620. The other end of the socket has a facing for mounting to a suitable, flameproof, enclosure.

The socket body is provided with a hole for a padlock.

#### VARIATION 0.1

Alternative materials and grades used for the main enclosure.

#### VARIATION 0.2

Alternative power and pilot contact pins for crimped cable core connectors.

#### VARIATION 0.3

Alternative method of retention of fixing screw shrouds.

#### VARIATION 0.4

Alternative means of retention for the insulator assembly.

#### VARIATION 0.5

Alternative main insulator material.

#### VARIATION 0.6

Alternative body with a facing for a bolt-on I.P.C. connector as MECS01ATEX5399U; to form the TYPE 41SR/A RESTRAINED SOCKET with single insulated I.P.C. termination, or TYPE 41SR/B RESTRAINED SOCKET with twin insulated I.P.C. terminations.

Optionally the I.P.C. plug may be replaced by a blanking cover with or without a rectifier.



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**VARIATION 0.7**

Alternative withdrawal mechanism incorporating a mechanical interlock to form the

TYPE A41SR/C RESTRAINED SOCKET  
(when based on the Type A41SR Restrained Socket, as above)

or,

TYPE A41SR/H RESTRAINED SOCKET  
(when based on the Type A41SR/A Restrained Socket, as above)

or,

TYPE A41SR/J RESTRAINED SOCKET  
(when based on the Type A41SR/B Restrained Socket, as above)

**VARIATION 0.8**

Alternative socket withdrawal spindle cam assembly to form the

TYPE A41SR/D RESTRAINED SOCKET  
(when based on the Type A41SR Restrained Socket, as above)

or,

TYPE A41SR/E RESTRAINED SOCKET  
(when based on the Type A41SR/A Restrained Socket, as above)

or,

TYPE A41SR/F RESTRAINED SOCKET  
(when based on the Type A41SR/B Restrained Socket, as above)

or,

TYPE A41SR/G RESTRAINED SOCKET  
(when based on the Type A41SR/C Restrained Socket, as above)

or,

TYPE A41SR/K RESTRAINED SOCKET  
(when based on the Type A41SR/H Restrained Socket, as above)



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**VARIATION 0.8 (continued)**

or,

TYPE A41SR/L RESTRAINED SOCKET  
(when based on the Type A41SR/J Restrained Socket, as above)

**VARIATION 0.9**

Fitting of a closer cap instead of a restrained plug.

16 **Report No.**

01(C)1008

17 **Schedule of Limitations**

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

18 **Essential Health and Safety Requirements**

None that are not covered by assessment against EN 50014 and EN 50018.

19 **DRAWINGS**

Number	Issue	Date	Description
*CA162 Sheets 1-5	1	05.11.01	Type A41 250A 650/1300V Range of Restrained Connectors

\*Drawings held with MECS02ATEX5101U

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