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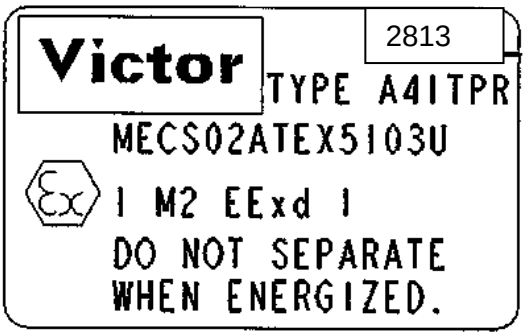
Making Hazardous Environments Work

TYPE A41TPR 250AMP 650/1300VOLT DUAL VOLTAGE RESTRAINED TEST PLUG

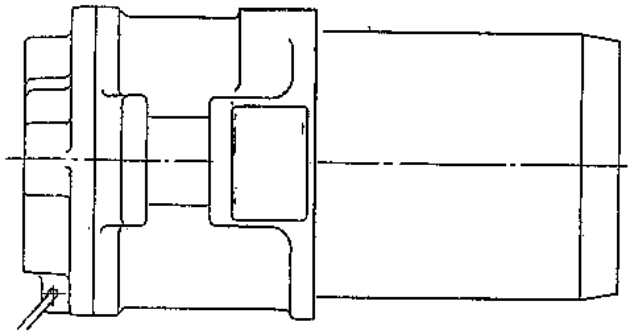
Certification number MECS02ATEX5103U I M2 EExd I

The ATEX certificate carries the ATEX group and category marking: - I M2

Where: I signifies suitability for use in mining and M2 signifies suitability for use in mines where it must be de-energised in the presence of an explosive atmosphere.



NAMEPLATE DETAIL
RESTRAINED TEST PLUG



GENERAL VIEW

General

The Test Plug is designed in accordance with EN50014:1997 and EN50018:2000. It can be associated with any relevant certified connector for flameproof enclosures Group I apparatus that complies dimensionally with BS5620, in this way it can be intermixed with connectors complying with BS5620 and certified to BS5501, or BS4683, or BS229.

It provides a simple and safe means of checking the correct operation of remote control circuits to BS3101 (P130), and BZ1 type circuits, where no such testing provision in included in the gate end box.

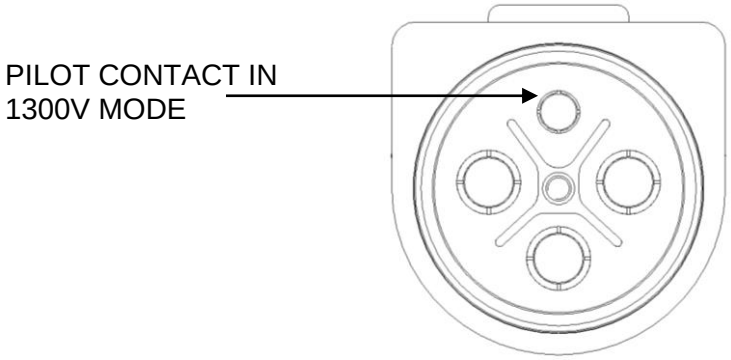
Item number 124838
January 2024

Operation

1. Operation, maintenance, and inspection, must be carried out by suitably qualified personnel in accordance with established codes of practice.

2. Check the voltage mode on both the test plug and the restrained socket (i.e. That the pilot contacts are in the same position relative to cam slot.

3. To alter the voltage mode on the test plug, free the screw on the end cap. Rotate the plastic body through 180° and tighten screw into slot on body to prevent further rotation.



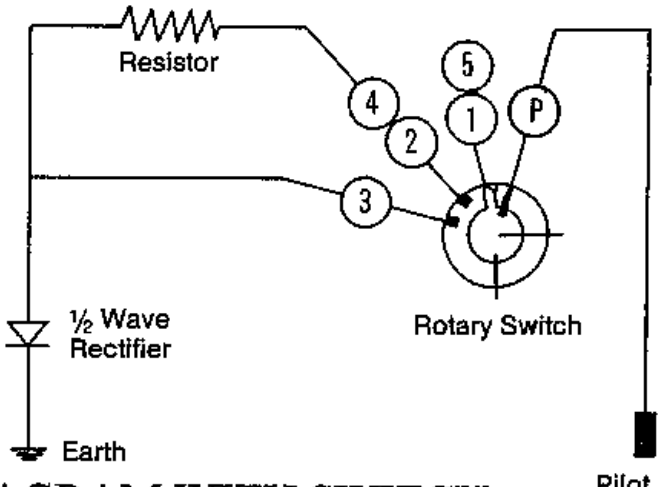
4. Switch test plug to off position.

5. Ensure test plug is fully engaged in socket. The withdrawal spindle should be wound fully in.

6. When the test plug is fully engaged, the switch knob should be rotated to the start position, (which passes through the run position putting the resistor and rectifier into the circuit momentarily as required for BZ1 circuits) thus shorting out the 30Ω resistor. At this point the contactor in the gate end box should be heard coming in.

7. Upon release of the knob the switch automatically returns to the run position, bringing the 30Ω resistor back into the circuit. There should be no audible sound.

Turn switch knob to the off position. The contactor should be heard dropping out.



WIRING DIAGRAM WITH SWITCH SHOWN IN OFF POSITION

Operating sequence

1. Off
2. Contact bridges pilot to resistor. Rectifier connected to earth.
3. Contact bridges pilot to rectifier. (Short circuits resistor).
4. On release automatic return to 2. Contact bridges pilot to resistor. Rectifier connected to earth.
5. Off

Maintenance and Inspection

It should be noted that all components that are replaced must be supplied by the original manufacturer. Failure to use such components invalidates the certification and approval and may make the apparatus dangerous. NO modifications should be made to the apparatus without the knowledge and approval of the manufacturer. If in doubt, refer to the manufacturer. A copy of the Spare Parts List is available from Victor Products Ltd.

Before re-assembly ensure that all flameproof paths are visually inspected and dimensionally checked for any abnormality.

Routine check of Switch

The rectifier in these units is fitted positive earth. Connect leads of an ohm meter between pilot contact tube and earth. With the switch in the off position this should show open circuit. With the switch in the run position this should show resistance and when the switch is held in start position this should show a reading less than the first resistance. When the switch is released the meter should go back to the original reading. Return switch to off position which should now show open circuit. NOTE – No specific values can be given since the resistance of the rectifier varies significantly with the test current, and the test current depends upon the measuring equipment being used.

HEALTH AND SAFETY AT WORK etc. ACT 1974

In the United Kingdom all equipment must be installed, operated and disposed of (as required) within the legislative requirements of the Health and Safety at Work etc. Act 1974. Leaflet No. HSS L1 refers to the Company's obligation and is available on request.
It is the responsibility of the user to select, install, operate and maintain the equipment in accordance with the relevant legislation and appropriate code of practice.

EU Only

Prices and design are subject to alteration without notice. All products are sold subject to our conditions of sale, copies of which are available on request.

We reserve the right to change characteristics of our products. All data is for guidance only

Attestation of Conformity
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Konformitätsbescheinigung

Victor Products Ltd
Unit 3A, Tyne Dock East Side
Port of Tyne,
South Shields,
Tyne and Wear
NE33 5SQ
United Kingdom

Type A41TPR 250Amp 650/1300Volt Dual Voltage Restrained Test Plug
Certification number MECS02ATEX5103U I M2 EExd I

Victor Products Ltd
Hereby declare our sole responsibility that the product which is the subject of this attestation is in conformity with the following standards or normative documents.

Erklären in alleiniger Verantwortung, daβ das Product auf das sich diese Bescheinigung bezieht, mit der/den folgenden Norm(en) oder normativen Dokumenten Ubereinstimmt.

Déclarons de notre seule responsabilité, que le produit auquel cette attestation se rapporte, est conforme aux norme(s) ou aux documents normatifs suivants.

Number and date of standard Nr. Sowie Ausgabedatum der Norm No. Ainsi que date d'emission des normes.	**Directive description** Bestimmungen der Richtlinie Prescription de la directive
EN 50014 (1998) EN 50018 (2000) This equipment has been reviewed against the requirements of EN60079-0: 2018 and EN60079-1: 2014, in respect of the differences from the standards to which this certificate was issued; none of these differences affect this equipment. Dieses Gerät wurde hinsichtlich der Unterschiede zu den Standards, für die dieses Zertifikat ausgestellt wurde, mit den Anforderungen von EN60079-0: 2018 und EN60079-1: 2014 verglichen. Keiner dieser Unterschiede wirkt sich auf dieses Gerät aus. Cet équipement a été passé en revue contre les conditions d'EN60079-0 : 2018 et EN60079-1 : 2014, en ce qui concerne les différences des normes auxquelles ce certificat a été délivré ; aucune de ces différences n'affecte cet équipement.	**Equipment and protective systems intended for use in potentially explosive atmospheres.** This Attestation is valid for directive 2014/34/EU. Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen. Diese Bescheinigung gilt für die Richtlinie 2014/34 /EU. Appareils et systèmes de protection destinés a êtré utilisés en atmosphères explosibles. Cette Attestation est valable pour la directive 2014/34 /UE.
EN50082 (1992) EN55015 (1993) EN 60555-2 (1987)	**89/336 EEC: Electromagnetic Compatability** 89/336 EWG: Elektromagnetische Verträglichkeit 89/336 CEE: Compatabilité électromagnétique
Notified Body: CSA Group Netherlands B.V. Notified Body No. 2813	P. Devlin Operations Manager January 2024

SERIAL NUMBER