

Victor Products Ltd  
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## Making Hazardous Environments Work

# TYPE A40TPR & A40TPR/A 350AMP 650/1300VOLT DUAL VOLTAGE RESTRAINED TEST PLUG

### Certification number Baseefa02ATEX0101U I M2 Ex db I Mb

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.

### Certification number BAS21UKEX0321U I M2 Ex db I Mb

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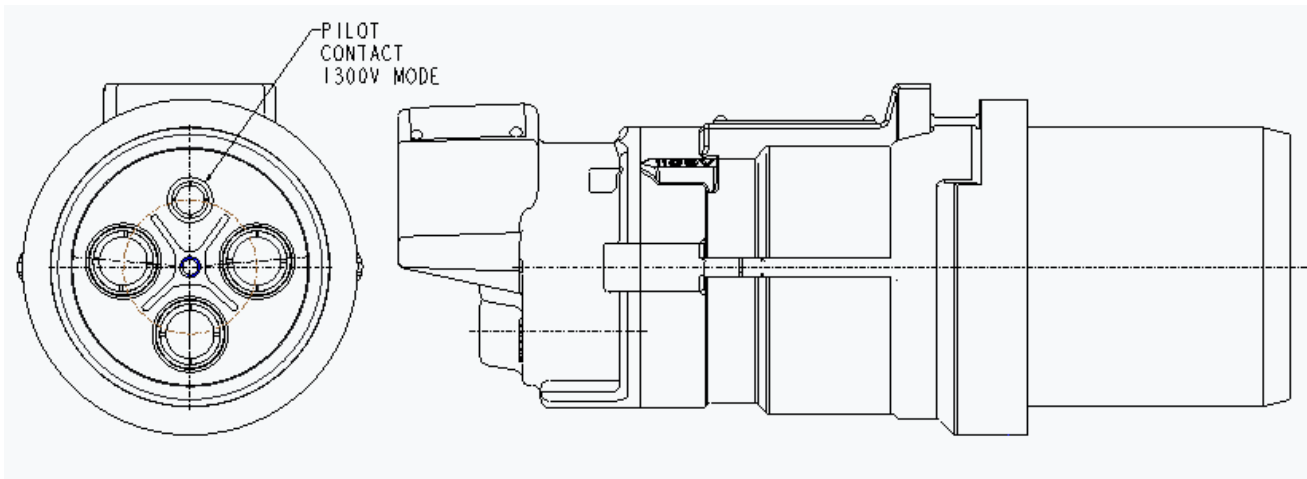
### General

These Test Plugs can be associated with any of the following certified connectors for flameproof equipment. 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 is included in the gate end box.

The Test Plug unit Type A40TPR is fitted with 3 main tubes and 1 pilot tube and can be associated with the following Sockets. Types A40SR and A40SR/E covered by certificate Baseefa02ATEX0099U, types 40SR and 40SR/E covered by certificate MECS93C5503U and type 23SR and SR23/B covered by certificate FLP 81021.

The Test Plug unit Type A40TPR/A is fitted with 3 main tubes and 3 auxiliary tubes and can be associated with the following Sockets. Types A40SR/B and A40SR/BE covered by certificate Baseefa02ATEX0099U, types 40SR/B and 40SR/BE covered by certificate MECS93C5503U and type 23SR/A covered by certificate FLP 81021.

For India only – The Test Plug has been designed in accordance with IS/IEC 60079-0:2004 and IS/IEC 60079-1:2007. Test report number CIMFR/TC/P/H474.



**Fig. 1 – TEST PLUG SHOWN IN 1300V MODE.**

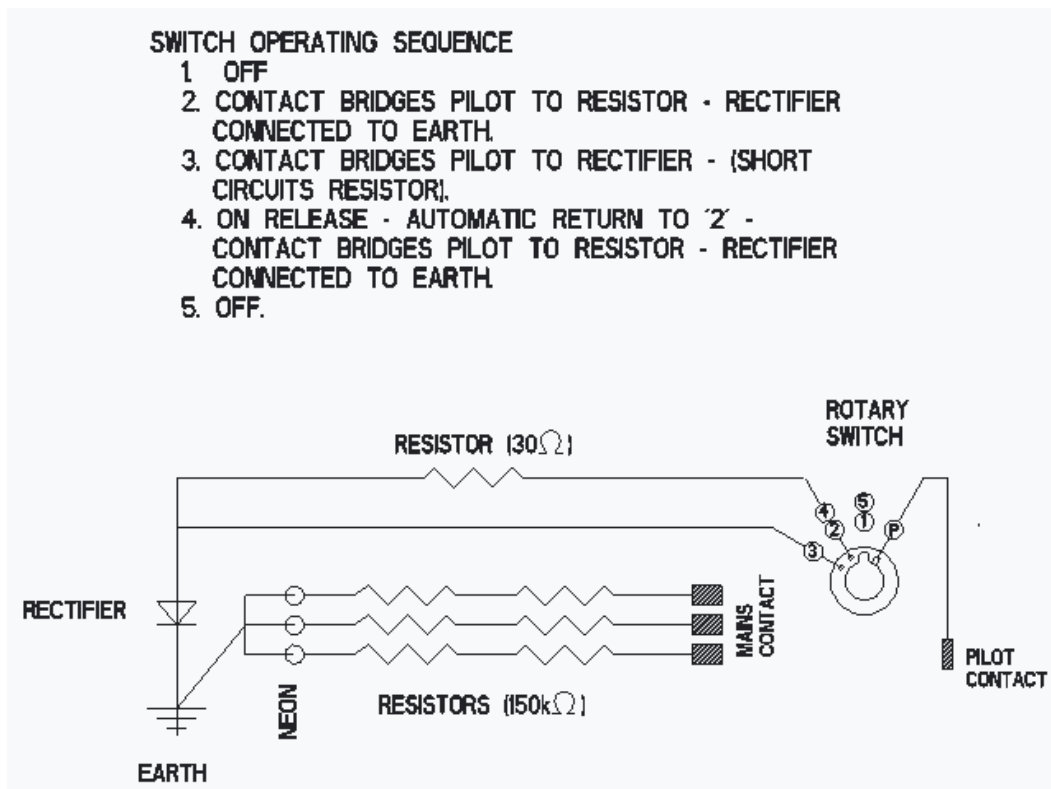
### Operation

Note - It is the end users responsibility to follow the installation roles protecting other equipment energized via the connectors against the hazards arising from power failures.

Suitably qualified personnel in accordance with established codes of practice must carry out operation, maintenance, and inspection of this test plug.

Ensure that test plug is set in the correct voltage mode. With this dual voltage test plug, if the alternative mode (see Fig 1) is required, it can be dismantled, the insulator and end cap rotated through 180° and re-assembled.

Switch the test plug to the `OFF' (O) position. (The rotary switch is mounted in the rear of the test plug).



Ensure that when the test plug is connected for use with its mating approved socket, it is fully engaged.

**Note** The test plug is fully engaged with the socket, when the reversible handle on the socket is wound fully home, thus ensuring full engagement of the contacts.

With the test plug fully engaged the rotary switch should be turned clockwise to the `START' (S) position, passing through the `RUN' (R) position. Passing through `RUN' position momentarily connects the 30ohm resistance, which is a requirement for BZ1 circuits.

With the switch in the `START' position the contractor in the gate end box will energise. This can be verified by neon indication in the rear of the test plug.

When the switch is released it will automatically return to the `RUN' position. In this position the 30ohm resistance is permanently in circuit.

When the switch is rotated anti-clockwise to the `OFF' (O) position, the contactor in the gate end box will de-energise.

## **Maintenance and Disposal**

If the unit is being serviced, the relevant code of practice should be observed, and no modification should be carried out without the agreement of Victor Products Ltd.

Servicing should only be carried out after the unit has been disconnected from the power supply.

During servicing all flameproof paths can be obtained from Victor Products Ltd.

## **Routine Check of Switch Positions**

With the rotary switch in the `OFF' position there should be an open circuit between the pilot contact and earth. The switch should then be rotated to the `RUN' position, which should introduce a resistance in the pilot/earth circuit.

When the rotary switch is then turned to the `START' position, the resistance of the circuit should reduce.

No specified values of resistance can be given since the resistance varies significantly with the test current, which is dependant on the measuring instrument being used.

The rectifier in this unit is connected positive earth, therefore correct orientation of the measuring instrument leads is important if incorrect readings are to be avoided.

## **Maintenance and Inspection**

It should be noted that the original manufacturer must supply all components that are replaced. 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.

## **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.



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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*


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# UK Attestation of Conformity




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

**Type A40TPR & A40TPR/A 350Amp 650/1300Volt Dual Voltage Restrained Test Plug.  
Certification number BAS21UKEX0321U  I M2 Ex db I Mb**

**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.**

Number and date of standard	UK Legislation
BS EN IEC 60079-0:2018 BS EN 60079-1:2014	Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016
EN50082 (1992) EN55015 (1993) EN 60555-2 (1987)	<b>89/336 EEC: Electromagnetic Compatability</b>
<b>Notified Body:</b> Sira Certification Services CSA Group Deeside CH5 3US Notified Body No. 0518	 P. Devlin Operations Manager January 2024

SERIAL NUMBER

# Attestation of Conformity

Attestation de Conformité  
Konformitätsbescheinigung



Victor Products Ltd<sup>®</sup>  
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Erklären in alleiniger Verantwortung, daß 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.

<b>Number and date of standard</b> Nr. Sowie Ausgabedatum der Norm No. Ainsi que date d'émission des normes.	<b>Directive description</b> Bestimmungen der Richtlinie Prescription de la directive
BS EN IEC 60079-0:2018 BS EN 60079-1:2014	<b>Equipment and protective systems intended for use in potentially explosive atmospheres.</b> 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 à être utilisés en atmosphères explosibles. Cette Attestation est valable pour la directive 2014/34 /UE.
EN50082 (1992) EN55015 (1993) EN 60555-2 (1987)	<b>89/336 EEC: Electromagnetic Compatibility</b>  89/336 EWG: Elektromagnetische Verträglichkeit  89/336 CEE: Compatibilité électromagnétique
<b>Notified Body:</b> CSA Group Netherlands B.V. Notified Body No. 2813	  P. Devlin Operations Manager January 2024

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