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**2813**  
**0518**

**Making Hazardous  
 Environments Work**

**RESTRAINED TYPE A40 350AMP 650/1300VOLT DUAL  
 VOLTAGE FLAMEPROOF SOCKETS  
 TYPE A40SR & A40SR/B**

<p><b>Certification number Baseefa02ATEX0099U</b> <b>I M2 Ex db I Mb</b>          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.</p>
<p><b>Certification number BAS21UKEX0319U</b> <b>I M2 Ex db I Mb</b>          The certificate carries the 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.</p>



NAMEPLATE FOR TYPE A40SR



NAMEPLATE FOR TYPE A40SR/B

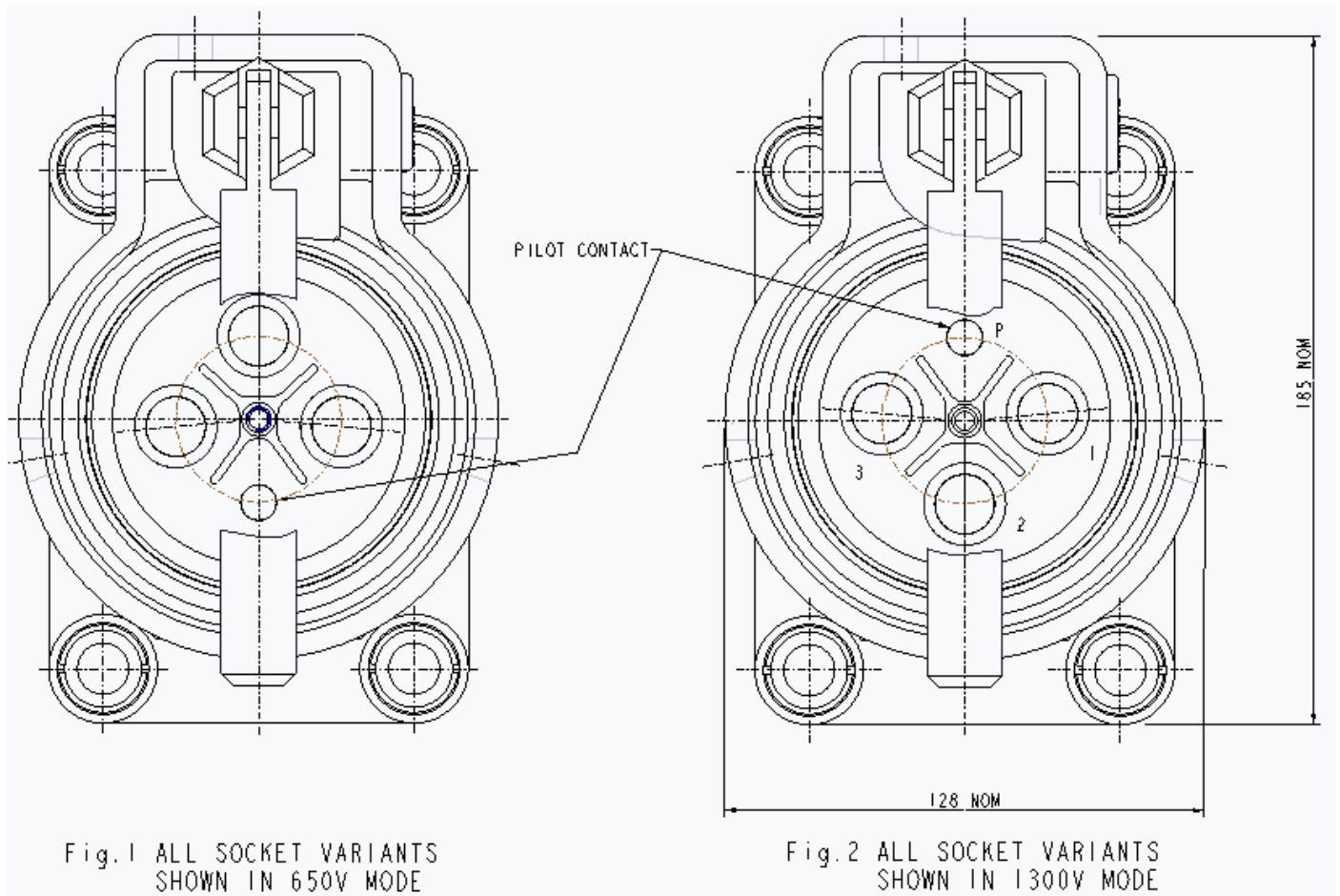
**General**

The restrained sockets, Types A40SR and A40SR/B are designed in accordance with BS EN IEC 60079-0:2018 and BS EN 60079-1:2014 with the interface flange complying dimensionally with BS5620. They can be associated with any 'd' flameproof enclosure that has an interface complying dimensionally with BS5620 and certified to EN50018, or BS5501, or BS4683, or BS229. These sockets can also be associated with any certified double flanged socket having a mounting flange and spigot interface complying dimensionally with BS5620.

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

All sockets have 3 – 9mm diameter padlock holes around the enclosure. The 2 angular holes are to be used for the fitting of a padlock to prevent the insertion of a plug, whilst the hole adjacent to the withdrawal spindle is for the fitting of a padlock to prevent the removal of the withdrawal spindle assembly.

The Type A40SR socket can be associated with the restrained plug, Type A40PR and A40PR/A covered by certificates Baseefa02ATEX0098U, Type A40PR covered by certificate BAS21ATEX0318U, Types 40PR and 40PR/A covered by certificate MECS93C5502U, Type 23PR covered by certificate FLP 81021. The Type A40SR/B can be associated with Restrained plugs, types A40PR/B and A40PR/C covered by certificate Baseefa02ATEX0098U, Type A40PR/B covered by certificate BAS21ATEX0318U, Types 40PR/B and 40PR/C covered by certificate MECS93C5502U, Type 23PR/A covered by certificate FLP 81021.

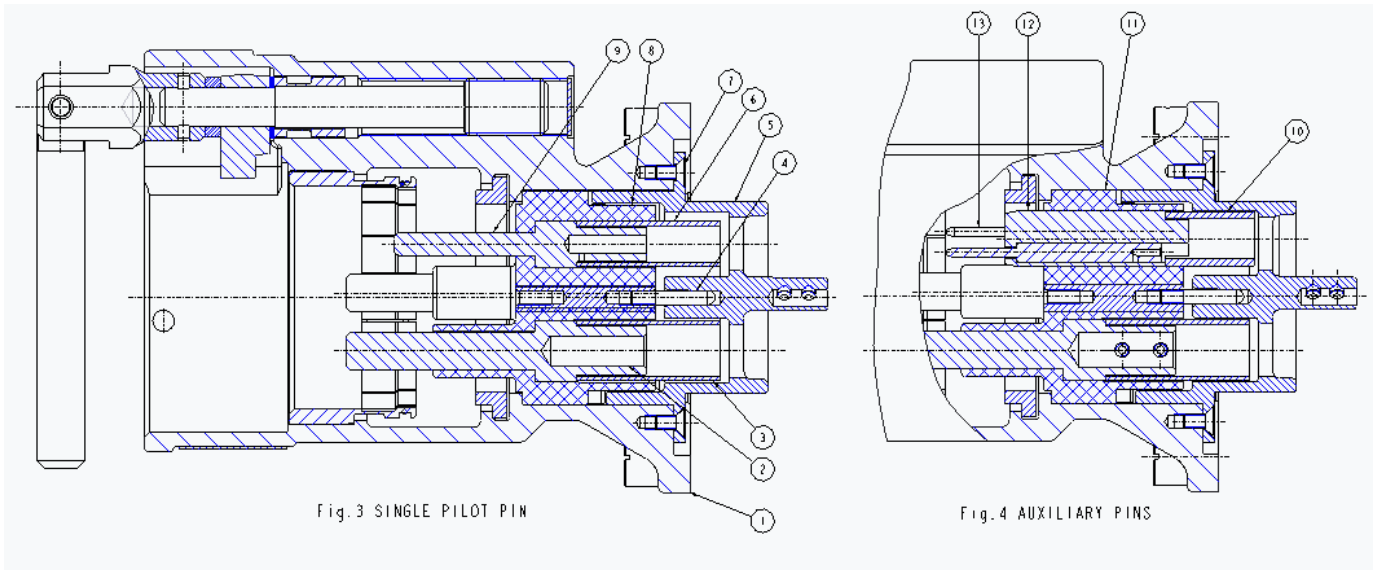


### Installation – all.

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.

1. Suitably qualified personnel in accordance with established codes of practice must carry out the installation, maintenance, and inspection.
2. Restrained sockets are for use only with electrical interlock.

- Ensure that the rated voltage and current are compatible with the power supply and load requirements. The sockets can be dismantled the insulators turned through 180° for voltage variation and re-assembled. See fig.1 and fig. 2 for correct orientation.



- Remove Retaining screws (7) and remove socket retaining cap (5) from body (1) and earth pin (4). The spacer rings (3 & 6 or 10) can be removed from the main insulator (8 or 11). The mains contact pins (2), and pilot contact pin (9) or inner insulator (12) with auxiliary pins (13)
- The Contact Pins can be either be crimped or grubscrewed. For the grubscrewed variant the mains conductor should be bared 15mm and the pilot 25mm. For the crimped variant the mains conductor should be bared 15mm and the pilot 13mm. The conductor can now be fed through the Retaining Ring/Insulating Ring and Insulator Cap. For the grubscrewed pins, insert conductor and ensure that the screws are fully tightened down.
- For crimped pins the screws and sleeving must be removed. Insert conductor. The crimp should be equally spaced on the end portion. Use crimping dies from table below. After crimping replace the sleeving and screws.

Main Pin	70mm <sup>2</sup>	95mm <sup>2</sup>	120mm <sup>2</sup>
Erma	HM	HM	HM
BICC	U856	U856	U856
Neilson	ME29	ME29	ME29
Pilot Pin	25mm <sup>2</sup>		
Erma	HJ		
BICC	U855		
Neilson	ME14		

Other sizes are available on request.

- Re-assemble the socket as shown in figs. 3 or 4.
- Ensure that when the plugs are connected for use with their mating approved sockets, that they are fully engaged. Restrained plugs are fully engaged with their sockets when the handle on the socket is wound fully home.

### Accessories

The Restrained Sockets can be fitted with certified Victor Closer Caps.

## **Maintenance and Inspection**

It should be noted that all components that are replaced must be in accordance with the manufacturers specifications. 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.



**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




**Restrained Type A40 350Amp 650/1300Volt Dual Voltage Flameproof Sockets  
Type A40SR and A40SR/B.**

**Certification number BAS21UKEX0319U  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.**

<b>Number and date of standard</b>	<b>UK Legislation</b>
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  
Unit 3A, Tyne Dock East Side  
Port of Tyne,  
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United Kingdom

## Restrained Type A40 350Amp 650/1300Volt Dual Voltage Flameproof Sockets Type A40SR and A40SR/B


Certification number Baseefa02ATEX0099U  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.

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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