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**Making Hazardous
Environments Work**

TYPE RAA33 COMPOUND-FILLED ADAPTOR. 500 AMP – 3.3kV

Certification number Baseefa03ATEX0244U I M2 EExd I

For India only – The adaptor has been designed in accordance with IS/IEC 60079-0:2004 and IS/IEC 60079-1:2007. Test report number CIMFR/TC/P/223.

NOTE

The ATEX certificate carries the ATEX group and category marking: - I M2
Where: I signifies suitability for use in mining
M2 signifies suitability for use in mines where it must be de-energised in the presence of an explosive atmosphere.



GENERAL

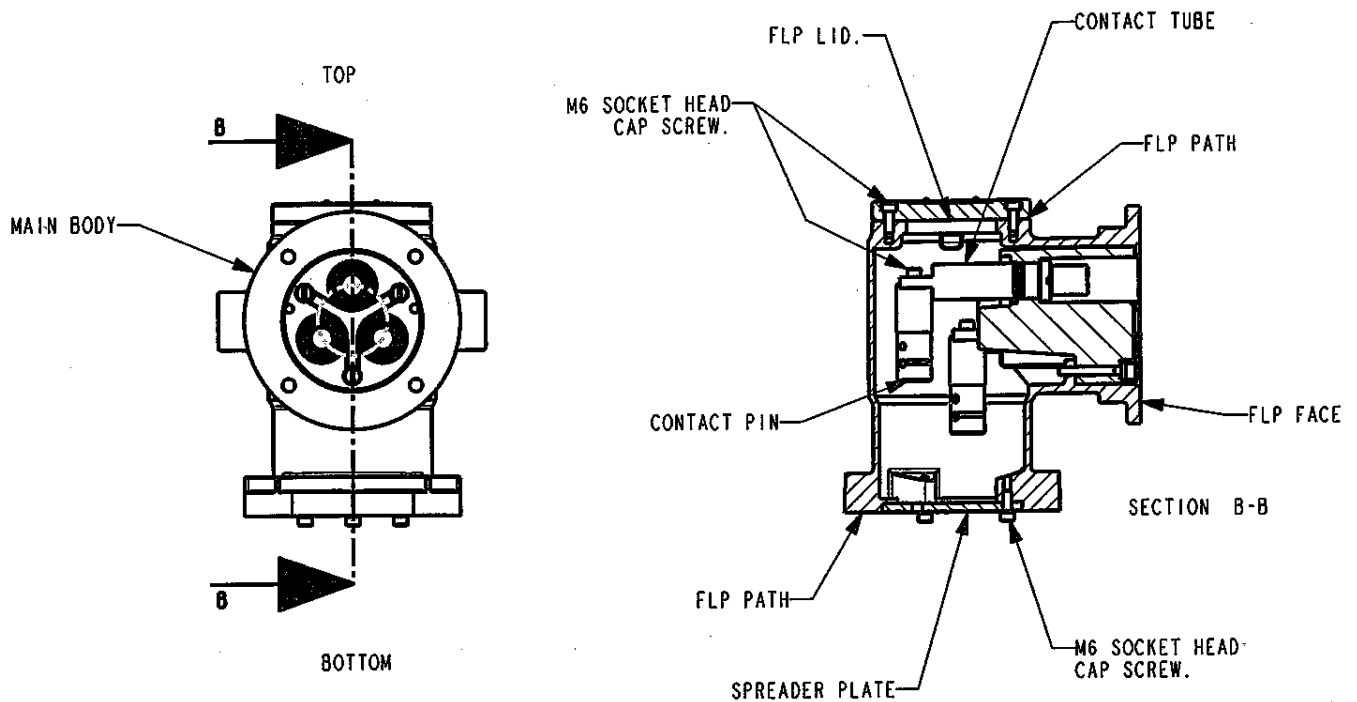
This Right Angled Adaptor can be associated with any interface that has been Group 1 certified product designed to BS3454.

INTRODUCTION

The Type RAA33 compound filled adaptor has been designed to accommodate 3 flexible or stranded coil end leads. Each adaptor is fitted with three contact pins, either grubscrewed or crimped which can accommodate conductors upto 185mm². The unit is designed to be filled by either the top or bottom flange. The unit must be filled certified resin to ensure that it maintains its full electrical properties.

The Type RAA33 adaptor can be connected to any interface that has been designed to BS3454. If this adaptor is used with a half coupler of a lower rating in the same system the lowest current rating must be adhered to.

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PREPARING THE ADAPTOR

1. The unit is supplied with protective covers on both faces, secured by 4 off M8 x 50 long Hex. Head screws, 4 off M8 Nuts and 4 off Spring washers. These should be retained for connection to the half coupler.
2. Using a 5 A/F socket wrench unscrew the 3 - M6 socket head cap screws that secure the spreader plate cover to the body and remove. This will expose the contact pins which will have to be removed for terminating to the cables
3. Unscrew the 4 – M6 socket head cap screws that secure the lid to the main body and remove the lid.
4. Access to the M6 socket head cap screws that retain the 3 contact pins can now be achieved. These should now be removed which will allow the contact pins to be removed.
5. The insulation on the 3 coil end leads should be removed to a length of 30mm.
6. If the unit is to be filled by the top flange, the spreader plate should be now drilled to suit the outside diameter of the coil end leads and each of the leads passed through the holes in the spreader plate. Note: If the unit is to be bottom filled, the spreader plate and securing screws can be discarded.
7. Each of the coil end leads should be securely fastened into the contact pin by either crimping or by the socket set screws.
8. The contact pins cable assemblies can now be secured to the ends of each of the contact tubes using the M6 socket head cap screw, ensuring that the anti-rotation pip locates against the end of the contact tube.
9. Slide the spreader plate up the cable and locate into the recess and secure using the 3 - M6 socket head cap screws.

10. The unit can now be filled with resin (see note on resin) to a depth of between 3 and 6mm from the top FLP face ensuring that there is no overfill or spillage onto the FLP face.
11. After the resin has begun to harden the FLP cover should be secured to the body using the 4 - M6 socket head cap screws. The gap should be checked to ensure it does not exceed 0.4mm.
12. For bottom filling the top FLP cover should be secured to the main body by the 4 – M6 socket head cap screws. Before filling the gap should be checked to ensure it does not exceed 0.4mm.
13. Assemble and fill as stages 7, 8 and 10.

FILLING INSTRUCTIONS

The resin should be mixed and poured following the instructions that are supplied with each resin kit. Victor Products Resin C18-1 must be used with this assembly.

ASSEMBLY TO ASSOCIATED EQUIPMENT

When assembled to an associated half coupler or blanking cover with interface flanges designed to BS3454 a rubber sealing ring complying to BS3454 must be used between the two flanges. Electrical contact is made between the Right Angle Adaptor and the Half Coupler by the insertion of three 3 contact pins into the contact tubes of both components. The Adaptor and Half Coupler should be securely fastened together using the supplied fasteners. The flameproof paths should be checked using feeler gauges and the gap should not exceed .5mm.

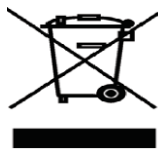
MAINTENANCE AND INSPECTION

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 modification 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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Attestation of Conformity

Attestation de Conformité
Konformitätsbescheinigung



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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.

Number and date of standard Nr. Sowie Ausgabedatum der Norm No. Ainsi que date d'émission des normes.	Directive description Bestimmungen der Richtlinie Prescription de la directive
EN 50014 (1998) EN 50018 (2000) 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 à être 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 Compatibility 89/336 EWG: Elektromagnetische Verträglichkeit 89/336 CEE: Compatibilité électromagnétique
Notified Body: CSA Group Netherlands B.V. Notified Body No. 2813	 P. Devlin Operations Manager January 2024

SERIAL NUMBER

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