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**Making Hazardous
Environments Work**

TYPE 5M500 750AMP 5000/3300VOLT BOLTED FLAMEPROOF SOCKET

Certification number SIRA 10ATEX1347U IECEX SIR 10.0173U

TYPE 5M500SB DETAILS

<input type="radio"/>	Victor Victor Products Ltd. Newcastle, U.K.	<input type="radio"/>
	TYPE 5M500SB Ex d I Mb	0518
	SIRA 10ATEX1347U I M2 IECEX SIR 10.0173U	
	3300/5000 VOLTS 750 AMPS	
	WARNING - DO NOT SEPARATE WHEN ENERGISED.	
<input type="radio"/>	SERIAL No.	<input type="radio"/>

General

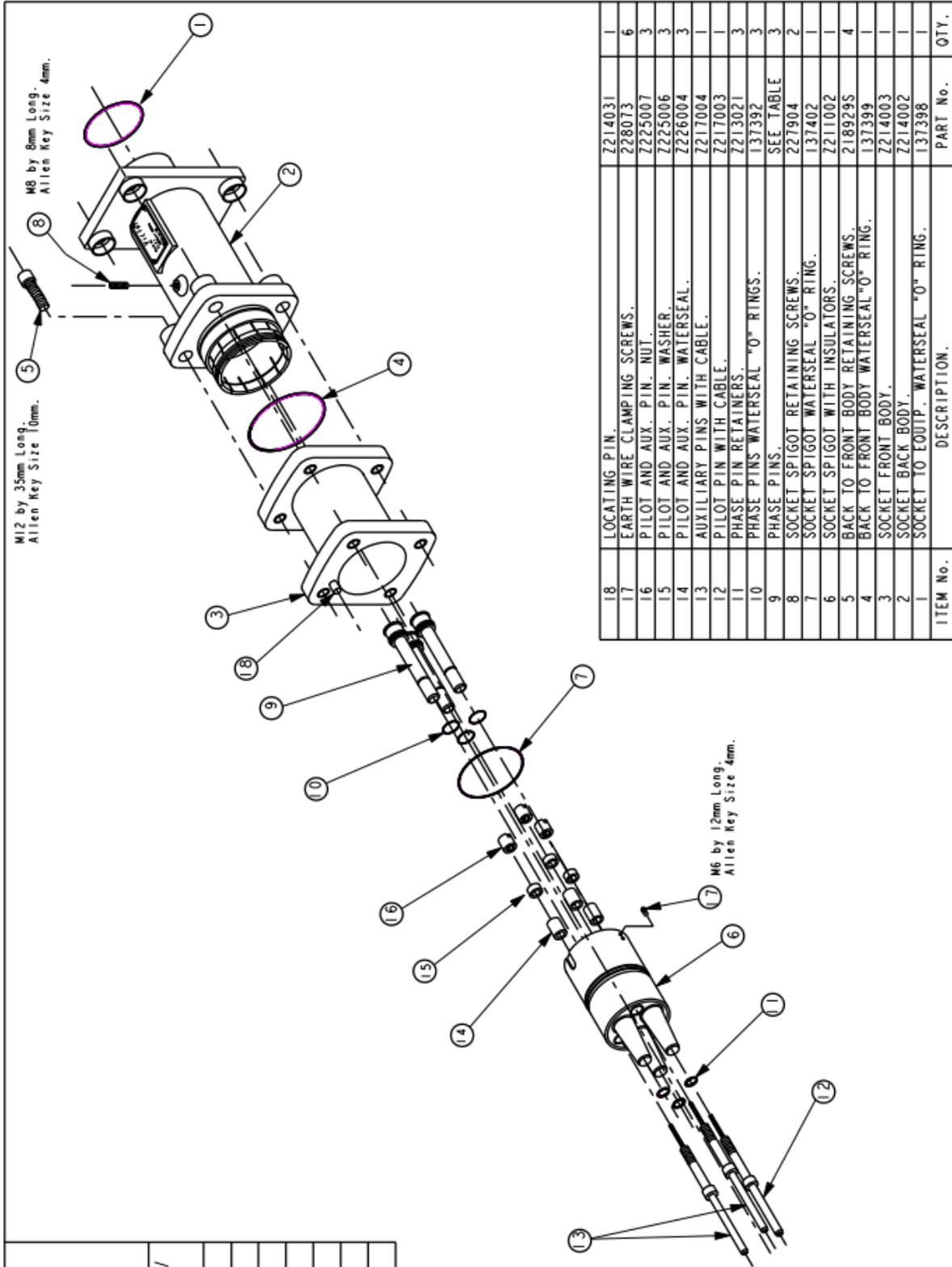
The Type 5M500PB Bolted Socket is designed in accordance with EN50079-0:2006 and EN50079-1:2007 and can be associated with any of the following Group 1 certified components:

Bolted Plug Type 5M500PB Certification number SIRA 10ATEX1347U and IECEX SIR 10.0173U

Installation

1. Only suitably qualified personnel in accordance with established codes of practice should carry out installation, maintenance, and inspection. Before commencement of work ensure the rated voltage and current are compatible with the power supply and load requirements.
2. Remove screws (5) from socket back body 2) and slide socket front body (3) over the socket spigot (6).

CABLE MULTI-STRAND	PHASE PINS.
SIZE mm ²	Z215002/
50	70
75	60
95	50
120	40
150	30
185	20
240	10

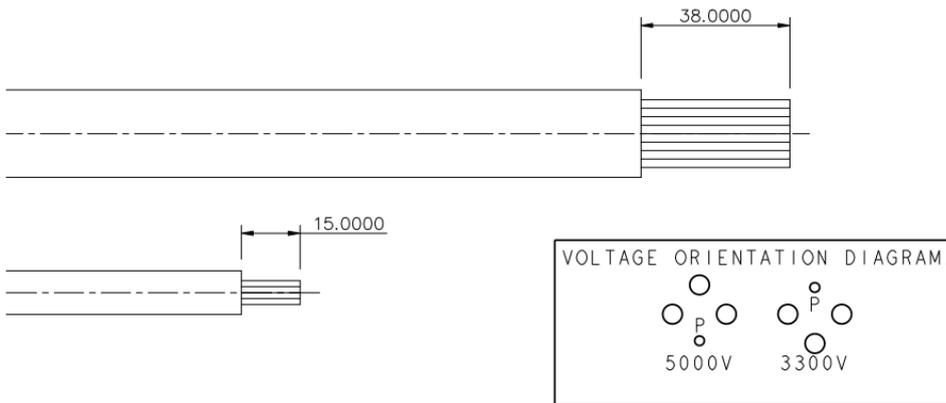


ITEM No.	DESCRIPTION.	PART No.	QTY.
18	LOCATING PIN.	Z214031	1
17	EARTH WIRE CLAMPING SCREWS.	Z28073	6
16	PILOT AND AUX. PIN. NUT.	Z2E5007	3
15	PILOT AND AUX. PIN. WASHER.	Z2E5006	3
14	PILOT AND AUX. PIN. WATERSEAL.	Z2E6004	3
13	AUXILIARY PINS WITH CABLE.	Z217004	1
12	PILOT PIN WITH CABLE.	Z217003	1
11	PHASE PIN RETAINERS.	Z213021	3
10	PHASE PINS WATERSEAL "O" RINGS.	137392	3
9	PHASE PINS.	SEE TABLE	3
8	SOCKET SPIGOT RETAINING SCREWS.	Z27904	2
7	SOCKET SPIGOT WATERSEAL "O" RING.	137402	1
6	SOCKET SPIGOT WITH INSULATORS.	Z211002	1
5	BACK TO FRONT BODY RETAINING SCREWS.	Z18929S	4
4	BACK TO FRONT BODY WATERSEAL "O" RING.	137399	1
3	SOCKET FRONT BODY.	Z214003	1
2	SOCKET BACK BODY.	Z214002	1
1	SOCKET TO EQUIP. WATERSEAL "O" RING.	137398	1

3. Loosen screws (8) and remove the socket spigot.
4. Remove the phase pin retainers (11) and remove phase pins (9).

Cable Preparation

SINGLE CORE CABLE CORE MAKE OFF.



5. Bare phase core back 38mm as shown and pilot and auxiliary cores 15mm.
6. Slide the socket back body over the cables so the cables protrude through the opposite end.
7. Taking the contact pins (9) one at a time, fit pin onto power conductor ensuring the pin is hard up against the conductor insulation and the pin and conductor are perfectly in line and not at an angle. Using the correct die set, crimp the pin onto the conductor.
8. Push the phase pins (9) through their respective holes in the socket spigot (6). Push the phase pin retainers (11) over the phase pins ensuring the retainers lock into the groove on the pins.
9. For pilot only with no auxiliary connections, joint together the pilot core with the cables protruding from the socket spigot.
10. Insert the earth core into the holes in the socket spigot (6) and tighten the retaining screws (17). Note the screws must not protrude outside the spigot.
11. Rotate the socket spigot (6) to the correct orientation with the socket body (2) and push the spigot into the socket body ensuring the spigot is keyed in position. Tighten screws (8).
12. Slide the socket front body over the socket back body and fasten screws (5).

Maintenance and Inspection

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



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

EC - Declaration of conformity

CE – Déclaration De Conformité

EG - Konformitätserklärung



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Victor Products Ltd

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

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

Déclarons de notre seule responsabilité, que le produit auquel cette déclaration 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
BS EN 60079-0 : 2009 BS EN 60079-1 : 2007	94/9 EC : Equipment and protective systems intended for use in potentially explosive atmospheres. 94/9 EG: Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen 94/9 CE: Appareils et systèmes de protection destinés a être utilisés en atmosphères explosibles.
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: SIRA Certification Services (0518) Rake Lane Eccleston Chester CH4 9JN	 H. Davis Engineering & Quality Manager December 2010
Notification No. SIRA 02 ATEX M191	