

General Safety Instructions:

READ SAFETY INSTRUCTIONS

Servicing:

These products are not customer serviceable. TDK-Lambda UK LTD. and their authorised agents only are permitted to carry out repairs.

Critical Components:

These products are not authorised for use as critical components in nuclear control systems, life support systems or equipment for use in hazardous environments without the express written approval of the Managing Director of TDK-Lambda EMEA.

Product Usage:

These products are designed for use within a host equipment which restricts access to authorised competent personnel.

This product is a component power supply and is only to be installed by qualified persons within other equipment and must not be operated as a stand alone product.

This product is for sale to business to business customers and can be obtained via distribution channels. It is not intended for sale to end users.

This product is a component power supply and does not fall within the scope of the EMC directive. Compliance with the EMC directive must be considered in the final installation. Please contact your local TDK-Lambda office.

Environmental:

These products are IPX0, and therefore chemicals/solvents, cleaning agents and other liquids must not be used.

Environment:

This power supply is a switch mode power supply for use in applications within a Pollution Degree 2, overvoltage category II environment. Material Group IIIb PCB's are used within it.

Output Loading:

The output power taken from the power supply must not exceed the rating stated on the power supply label, except as stated in the product limitations in this instruction manual.

Input Parameters:

This product must be operated within the input parameters stated in the product limitations in this instruction manual.

End of Life Disposal:

The unit contains components that require special disposal. Make sure that the unit is properly disposed of at the end of its service life and in accordance with local regulations.



RISK OF ELECTRIC SHOCK

High Voltage Warning:

Dangerous voltages are present within the power supply. The professional installer must protect service personnel from inadvertent contact with these dangerous voltages in the end equipment.

WARNING: When installed in a Class I end equipment, this product must be reliably earthed and professionally installed.

The (+) or (-) output(s) can be earthed or left floating.

The mains input connector is not acceptable for use as field wiring terminals.

Do not use mounting screws, which penetrate the unit more than 3.5mm.

Special earthing screws are used on these products which connect the cover to the chassis. They must not be removed. If they are removed by mistake, they must be replaced with new ones and the product tested for earth bonding.

An internal fuse protects the unit and must not be replaced by the user. In case of internal defect, the unit must be returned to TDK-Lambda UK LTD or one of their authorised agents.

A suitable mechanical, electrical and fire enclosure must be provided by the end use equipment for mechanical, electric shock and fire hazard protection.

Energy Hazards:

Certain modules are capable of providing hazardous energy (240VA) according to output voltage setting. Final equipment manufacturers must provide protection to service personnel against inadvertent contact with these module output terminals. If set such that hazardous energy can occur then the module terminals or connections must not be user accessible.



HOT SURFACE

External Hot Surfaces:

In accordance with local regulations for Health and Safety at work, manufacturers have an obligation to protect service engineers as well as users. In order to comply with this, a label must be fitted to these products which is clearly visible to service personnel accessing the overall equipment, and which legibly warns that surfaces of these products may be hot and must not be touched when the products are in operation.

The ventilation openings on these products must not be impeded. Ensure that there is at least 50mm spacing between any obstruction and the ventilation openings.

The unit may be mounted in any orientation.

The unit cover/chassis is designed to protect skilled personnel from hazards. They must not be used as part of the external covers of any equipment where they may be accessible to operators, since under full load conditions, part or parts of the unit chassis may reach temperatures in excess of those considered safe for operator access.

Allgemeine Sicherheitsvorschriften:**LESEN SIE DIE SICHERHEITSVORSCHRIFTEN****Wartung:**

Diese Produkte können nicht durch den Kunden gewartet werden. Nur TDK-Lambda UK LTD. und deren zugelassene Vertriebshändler sind zur Durchführung von Reparaturen berechtigt.

Kritische Komponenten:

Diese Produkte sind nicht für die Verwendung als kritische Komponenten in nuklearen Kontrollsystemen, Lebenserhaltungssystemen oder Geräten in gefährlichen Umgebungen geeignet, sofern dies nicht ausdrücklich und in Schriftform durch den Geschäftsführer von TDK-Lambda EMEA genehmigt wurde.

Produktverwendung:

Diese Produkte sind zur Verwendung innerhalb von Host-Anlagen gedacht, die einen auf das Fachpersonal beschränkten Zugang haben.

Dieses Produkt ist eine Stromversorgungs-Komponente und sie darf nur von qualifiziertem Personal in andere Geräte eingebaut werden und sie darf NICHT als eigenständiges ("Stand-Alone") Gerät betrieben werden. Dieses Produkt ist für den Verkauf an Geschäftskunden entwickelt worden und es kann über Distributionskanäle bezogen werden.

Es ist NICHT für den Verkauf an Endkunden gedacht und konzipiert.

Dieses Produkt ist eine Stromversorgungsbaugruppe und sie fällt NICHT in den Bereich der EMV Direktive.

Die Konformität mit der EMV Richtlinie muss in der finalen Gesamtinstallation betrachtet werden.

Bitte kontaktieren Sie Ihr regionales TDK-Lambda Vertriebsbüro im Falle von Rückfragen.

Umwelt:

Diese Produkte sind IPX0, aus diesem Grund dürfen keine Chemikalien/Lösungsmittel, Reinigungsmittel und andere Flüssigkeiten verwendet werden.

Umgebung:

Dieses Netzteil ist ein Schaltnetzteil zur Verwendung in einer Umgebung mit einem Verschmutzungsgrad 2, Überspannungskategorie II. Materialgruppe IIb mit darin verwendeten PCBs.

Ausgangsstrom:

Der Ausgangsstrom des Netzteiles darf die Leistung, die auf dem Label des Netzteiles vermerkt ist, nur dann überschreiten, wenn dies in den Produktgrenzen dieses Handbuches ausgezeichnet ist.

Eingangsparameter:

Dieses Produkt muss innerhalb der Eingangsparameter, die in den Produktgrenzen dieses Handbuches angegeben sind, betrieben werden.

Entsorgung am Ende der Betriebszeit:

Das Gerät enthält Komponenten die unter Sondermüll fallen. Das Gerät muss am Ende der Betriebszeit ordnungsgemäß und in Übereinstimmung mit den regionalen Bestimmungen entsorgt werden.

**GEFAHR DURCH ELEKTRISCHEN SCHLAG****Hochspannungswarnung:**

Innerhalb des Netzteiles gibt es gefährliche Spannungen. Der Elektroinstallateur muss das Wartungspersonal vor versehentlichem Kontakt mit den gefährlichen Spannungen im Endgerät schützen.

WARNUNG! Falls Sie unser Netzgerät in eine Anwendung mit Schutzklasse 1 eingebaut haben, stellen Sie sicher, dass es fachgerecht installiert und zuverlässig geerdet ist.

Die (+) oder (-) Ausgänge können geerdet werden oder unangeschlossen bleiben.

Der Haupteingangsanschluss ist nicht für die Verwendung als Feldverdrahtungsanschluss geeignet.

Verwenden Sie keine Befestigungsschrauben, die mehr als 3.5mm in das Gerät eindringen.

Zur Befestigung der Abdeckung am Gehäuse werden für diese Produkte spezielle Erdungsschrauben verwendet. Diese dürfen nicht entfernt werden. Sollten sie versehentlich entfernt werden, müssen sie durch neue ersetzt und das Produkt auf Erdschluss geprüft werden.

Eine interne Sicherung schützt das Gerät und darf durch den Benutzer nicht ausgetauscht werden. Im Fall von internen Defekten muss das Gerät an TDK-Lambda UK LTD oder einen der autorisierten Vertriebshändler zurückgeschickt werden.

Ein geeignetes mechanisches, elektrisches und brandgeschütztes Gehäuse muss als Schutz vor der Gefahr von mechanischen Risiken, Stromschlägen und Brandschutz in dem Endgerät vorgesehen werden.

Gefahren durch elektrische Energie:

Von bestimmten Modulen kann je nach Einstellung der Ausgangsspannung gefährliche elektrische Energie ausgehen (240 VA). Die Endgerätehersteller müssen einen Schutz für Servicepersonal vor unbeabsichtigtem Kontakt mit den Ausgangsanschlüssen dieser Module vorsehen. Kann aufgrund der Einstellung gefährliche elektrische Energie auftreten, dürfen die Modulanschlüsse für den Benutzer nicht zugänglich sein.



HEISSE OBERFLÄCHEN

Äußere heiße Oberflächen:

In Übereinstimmung mit den regionalen Bestimmungen für Gesundheit und Sicherheit bei der Arbeit ist der Hersteller für den Schutz von Wartungspersonal und Benutzern verantwortlich. Um diesen Bestimmungen gerecht zu werden, muss auf den Produkten ein Label angebracht werden, das deutlich sichtbar für das Wartungspersonal mit Zugriff auf die gesamte Anlage ist, und das gut lesbar auf die eventuell heiße Oberfläche des Gerätes hinweist und das Berühren des Produktes in Betrieb untersagt.

Die Belüftungsöffnungen an diesem Produkt dürfen nicht blockiert werden. Achten Sie darauf, dass mindestens 50 mm Abstand zwischen Hindernissen und den Belüftungsöffnungen bleibt.

Das Gerät kann in beliebiger Ausrichtung montiert werden.

Die Geräteabdeckung/das Gehäuse ist so entworfen, dass das Fachpersonal vor Gefahren geschützt wird. Sie dürfen nicht als Teil der externen Abdeckung für Geräte verwendet werden, die für den Betreiber zugänglich sein müssen, da Teile oder das gesamte Gerätegehäuse unter voller Auslastung übermäßige Temperaturen erreichen kann, die für den Zugang des Betreibers nicht mehr als sicher betrachtet werden.

Consignes générales de sécurité:**LIRE LES CONSIGNES DE SECURITE****Entretien:**

Ces produits ne peuvent pas être réparés par l'utilisateur. Seuls, TDK-Lambda UK LTD et ses agents agréés sont autorisés à effectuer des réparations.

Composants critiques:

Ces produits ne doivent pas être utilisés en tant que composants critiques dans des systèmes de commande nucléaire, dans des systèmes de sauvetage ou dans des équipements utilisés dans des environnements dangereux, sans l'autorisation écrite expresse du directeur général de TDK-Lambda EMEA.

Utilisation du produit:

Ces produits sont conçus pour être utilisés dans un équipement hôte dont l'accès n'est autorisé qu'aux personnes compétentes.

Ce produit est une alimentation considérée comme un composant devant être installé par des personnes qualifiées, dans un autre équipement. Il ne doit pas être utilisé en tant que produit fini.

Ce produit est destiné à la vente entre entreprises et peut être obtenu via des canaux de distribution.

Il n'est pas prévu à la vente pour les particuliers.

Ce produit est une alimentation considérée comme un composant, il ne relève pas du champ d'application de la directive CEM. Le respect de la directive CEM doit être pris en compte dans l'installation finale. Veuillez contacter votre bureau TDK-Lambda le plus proche.

Environnement:

Ces produits sont IPX0, et donc on ne doit pas utiliser des produits chimiques/solvants, des produits de nettoyage et d'autres liquides.

Environnement fonctionnel:

Cette alimentation fonctionne en mode commutation pour utilisation dans des applications fonctionnant dans un environnement avec Degré de Pollution 2 et catégorie de surtension II. Elle utilise des cartes des circuits imprimés (PCB) de Groupe IIIb.

Intensité soutirée:

L'intensité soutirée de l'alimentation ne doit pas dépasser l'intensité nominale marquée sur la plaque signalétique, sauf indications contraires dans les limitations du produit décrit dans ce manuel.

Paramètres d'entrée:

Ce produit doit être utilisé à l'intérieur des paramètres d'entrée indiqués dans les limitations du produit dans ce manuel.

Elimination en fin de vie:

L'alimentation contient des composants nécessitant des dispositions spéciales pour leur élimination. Vérifiez que cette alimentation est mise au rebut correctement en fin de vie utile et conformément aux réglementations locales en vigueur.

**RISQUE DE CHOC ELECTRIQUE****Attention-Danger haute tension:**

Des tensions dangereuses sont présentes dans l'alimentation. L'installateur doit protéger le personnel d'entretien contre un contact involontaire avec ces tensions dangereuses dans l'équipement final.

AVERTISSEMENT: Si ce produit est installé dans un équipement final de classe I, il doit être mis à la terre de manière fiable et installé par un professionnel averti.

Les sorties (+) ou (-) peuvent être raccordées à la terre ou laissées flottantes.

Le connecteur d'entrée d'alimentation principale ne doit pas être utilisé comme borne de raccordement.

N'utilisez pas de vis pénétrant dans le module sur une profondeur supérieure à 3.5 mm.

Des vis de terre spéciales sont utilisées sur ces produits pour raccorder le couvercle au châssis. Elles ne doivent pas être enlevées. Si elles sont enlevées par erreur, elles doivent être remplacées et le produit doit être testé pour vérifier que le raccordement à la terre est correct.

Un fusible interne protège le module et ne doit pas être remplacé par l'utilisateur. En cas de défaut interne, le module doit être renvoyé à TDK-Lambda UK LTD ou l'un de ses agents agréés.

Une enceinte appropriée doit être prévue par l'utilisateur final pour assurer la protection contre les chocs mécaniques, les chocs électriques et l'incendie.

Energies dangereuses :

Certains modules peuvent générer une énergie dangereuse (240 VA) selon le réglage de tension de sortie. Le fabricant de l'équipement final doit assurer la protection des techniciens d'entretien contre un contact involontaire avec les bornes de sortie de ces modules. Si une telle tension dangereuse risque de se produire, les bornes ou les connexions du module ne doivent pas être accessibles par l'utilisateur.



SURFACE CHAUDE

Surfaces chaudes extérieures:

Conformément aux réglementations locales concernant la santé et la sécurité sur les lieux de travail, les fabricants doivent protéger les techniciens d'entretien et les utilisateurs. Pour cela, une plaque signalétique doit être installée sur ces produits, et cette plaque doit être bien visible pour les techniciens d'entretien intervenant sur l'équipement, et elle doit indiquer de manière bien visible que les surfaces de ces produits peuvent être chaudes et qu'elles ne doivent pas être touchées lorsque les produits fonctionnent.

L'unité peut être montée dans n'importe quelle orientation.

Les orifices de ventilation sur ces produits ne doivent pas être obstrués. Vérifiez qu'il y a un espace libre d'au moins 50 mm entre une obstruction et les orifices de ventilation.

Le couvercle et le châssis du module sont conçus pour protéger des personnels expérimentés. Ils ne doivent pas être utilisés comme couvercles extérieurs d'un équipement, accessible aux opérateurs car en condition de puissance maximum, des parties du châssis peuvent atteindre des températures considérées comme dangereuses pour l'opérateur.

Norme generali di sicurezza:

SI PREGA DI LEGGERE LE NORME DI SICUREZZA

Manutenzione:

Il cliente non può eseguire alcuna manutenzione su questi prodotti. L'esecuzione delle eventuali riparazioni è consentita solo a TDK-Lambda UK LTD e ai suoi agenti autorizzati.

Componenti critici:

Non si autorizza l'uso di questi prodotti come componenti critici all'interno di sistemi di controllo nucleari, sistemi necessari alla sopravvivenza o apparecchiature destinate all'impiego in ambienti pericolosi, senza l'esplicita approvazione scritta dell'Amministratore Delegato di TDK-Lambda EMEA.

Uso dei prodotti:

Questi prodotti sono progettati per l'uso all'interno di un'apparecchiatura ospite che limiti l'accesso al solo personale competente e autorizzato.

Questo prodotto è da considerarsi come un alimentatore professionale componente e come tale deve essere installato da personale qualificato all'interno di altre apparecchiature e non può essere utilizzato come prodotto indipendente.

Questo prodotto non è inteso per la vendita al dettaglio o agli utilizzatori finali.

Questo alimentatore è da considerarsi come un componente e come tale non è assoggettato dagli scopi della direttiva EMC. Conformità alla direttiva EMC deve essere considerata nell'installazione finale di utilizzo. Gli uffici di TDK-Lambda Sas Succursale Italiana sono a vostra disposizione per ulteriori ragguagli.

Condizioni ambientali:

Questi prodotti sono classificati come IPX0, dunque non devono essere utilizzati sostanze chimiche/solventi, prodotti per la pulizia o liquidi di altra natura.

Ambiente:

Questo prodotto è un alimentatore a commutazione, destinato all'uso in applicazioni rientranti in ambienti con le seguenti caratteristiche: Livello inquinamento 2, Categoria sovratensione II. Questo prodotto contiene schede di circuiti stampati in materiali di Gruppo IIIb.

Carico in uscita:

La potenza in uscita ottenuta dall'alimentatore non deve superare la potenza nominale indicata sulla targhetta dell'alimentatore, fatto salvo dove indicato nei limiti per il prodotto specificati in questo manuale.

Parametri di alimentazione:

Questo prodotto deve essere utilizzato entro i parametri di alimentazione indicati nei limiti per il prodotto, specificati in questo manuale.

Smaltimento:

L'unità contiene componenti che richiedono procedure speciali di smaltimento. Accertarsi che l'unità venga smaltita in modo corretto al termine della vita utile e nel rispetto delle normative locali.



RISCHIO DI SCOSSA ELETTRICA

Avvertimento di alta tensione:

All'interno dell'alimentatore sono presenti tensioni pericolose. Gli installatori professionali devono proteggere il personale di manutenzione dal rischio di contatto accidentale con queste tensioni pericolose all'interno dell'apparecchiatura finale.

ATTENZIONE: Se installato in un'attrezzatura di classe I, questo prodotto deve essere collegato a terra in modo affidabile ed installato in modo professionale.

Le uscite (+) o (-) possono essere messa a terra o lasciate isolate.

Il connettore dell'alimentazione principale non può essere utilizzato come terminale di collegamento di campo.

Non utilizzare viti che penetrano nell'unità per più di 3.5mm.

Per questi prodotti vengono usate viti speciali di messa a terra, che collegano il coperchio al telaio. Tali viti non devono essere rimosse. Se le viti vengono tolte per errore, vanno sostituite con nuove viti ed occorre testare il prodotto per verificarne il collegamento a massa.

Un fusibile interno protegge l'unità e non deve essere sostituito dall'utente. Nell'eventualità di un difetto interno, restituire l'unità a TDK-Lambda UK LTD o a uno dei suoi agenti autorizzati.

L'apparecchiatura finale deve includere una recinzione meccanica, elettrica e antincendio per proteggere dai pericoli di natura meccanica, dalle scosse elettriche e dai pericoli di incendio.

Pericoli energetici:

Alcuni moduli sono in grado di erogare energia pericolosa (240 VA) a seconda della tensione in uscita impostata. I produttori delle apparecchiature finali sono tenuti a proteggere il personale di manutenzione dal rischio di contatto accidentale con questi terminali dei moduli di uscita. Se impostati su livelli che non escludono l'erogazione di energia pericolosa, questi terminali o collegamenti non devono risultare accessibili da parte dell'utente.



SUPERFICIE CALDA

Superfici esterne calde:

Coerentemente con le norme locali in materia di salute & sicurezza professionali, i produttori sono tenuti a salvaguardare i tecnici di manutenzione, e inoltre gli utenti. Per far fronte a tali obblighi, i prodotti devono presentare una targhetta, chiaramente visibile al personale di manutenzione che accede all'apparecchiatura nel complesso e che risulti inoltre leggibile e avverta gli addetti del rischio che le superfici di questi prodotti possono scottare e non vanno toccate con i prodotti in funzione.

L'unità può essere montata con qualsiasi orientamento.

Le griglie di ventilazione su questi prodotti non devono essere ostruite. Verificare che vi sia una distanza minima di 50 mm fra le griglie di ventilazione e qualsiasi eventuale ostruzione.

Il coperchio/telaio dell'unità è realizzato per proteggere il personale esperto dai pericoli. Non deve essere usato come parte degli involucri esterni di qualsiasi apparecchiatura, se risulta accessibile da parte degli addetti, poiché è possibile che in condizioni di pieno carico una o più parti del telaio dell'unità giunga/giungano a temperature superiori ai limiti considerati sicuri per l'accesso da parte degli addetti.

Instrucciones generales de seguridad:**LEA LAS INSTRUCCIONES DE SEGURIDAD****Servicio:**

Estos productos no pueden ser reparados por los clientes. TDK-Lambda UK LTD. y sus agentes autorizados son los únicos que pueden llevar a cabo las reparaciones.

Componentes fundamentales:

Estos productos no pueden ser utilizados como componentes fundamentales en sistemas de control nuclear, sistemas de soporte vital o equipos a utilizar en entornos peligrosos sin el consentimiento expreso por escrito del Director General de TDK-Lambda EMEA.

Uso de los productos:

Estos productos han sido diseñados para ser utilizados en un equipo central que restrinja el acceso al personal cualificado autorizado.

Este producto es una fuente de alimentación y sólo puede ser instalado por personal cualificado dentro de otros equipos y no debe ser tratado como un producto independiente. Este producto debe ser vendido entre empresas profesionales y solo puede obtenerse a través de los canales de distribución. No está destinado para la venta a usuarios finales.

Este producto es una fuente de alimentación y no se ve afectada por la directiva EMC. El cumplimiento de la directiva EMC se debe considerar en la instalación final. Por favor, póngase en contacto con su oficina local de TDK - Lambda.

Medioambiental:

Estos productos son IPX0 y, por tanto, no pueden utilizarse sustancias químicas/disolventes, agentes de limpieza ni otros líquidos.

Medio ambiente:

Esta fuente de alimentación es una fuente de alimentación de modo conmutado a utilizar en aplicaciones dentro de un entorno con un Grado de contaminación 2 y una Categoría de sobretensión II. En él se utilizan policloruros de bifenilo del Grupo de materiales IIIb.

Carga de salida:

La potencia de salida tomada de la fuente de alimentación no puede sobrepasar el valor nominal indicado en la etiqueta de la fuente de alimentación, excepto en los casos indicados en las limitaciones del producto en este manual.

Parámetros de entrada:

Este producto debe ser utilizado dentro de los parámetros de entrada indicados en las limitaciones del producto en este manual.

Desecho de la unidad:

La unidad contiene componentes que deben ser desechados de una manera especial. Asegúrese de desechar correctamente la unidad al final de su vida útil y conforme a las normas locales vigentes.

**PELIGRO DE DESCARGAS ELÉCTRICAS****Advertencia de alta tensión:**

En esta fuente de alimentación hay tensiones peligrosas. El instalador profesional debe proteger al personal de servicio contra cualquier contacto accidental con estas tensiones peligrosas en el equipo final.

ADVERTENCIA: La instalación de este producto en un equipo de clase I la deben llevar a cabo profesionales y el producto debe estar conectado a tierra.

La salida o salidas (+) o (-) pueden conectarse a tierra o se las puede dejar flotando.

El conector de entrada de la red no es apto para ser utilizado a modo de bornes de cableado de campo.

No utilice tornillos de montaje susceptibles de penetrar en la unidad más de 3.5mm.

Con estos productos se utilizan unos tornillos de puesta a tierra especiales que conectan la cubierta al chasis. No se deben quitar en ningún caso. En caso de quitarlos por error, hay que reemplazarlos por unos nuevos y comprobar la conexión a tierra del producto.

Un fusible interno protege la unidad y este no debe ser nunca reemplazado por el usuario. En caso de existir algún defecto interno, la unidad debe ser enviada a TDK-Lambda UK LTD o a uno de sus agentes autorizados.

El equipo de uso final debe constituir un recinto de protección mecánica, eléctrica y contra incendios de protección mecánica, contra descargas eléctricas y contra el peligro de incendios.

Peligros de energía:

Algunos módulos pueden generar energía peligrosa (240VA) dependiendo de la configuración de la tensión de salida. Los fabricantes de equipos finales deben proteger al personal de servicio contra un contacto accidental con estos bornes de salida de los módulos. Si se configura de modo que pueda generarse energía peligrosa, hay que evitar que el usuario pueda acceder a los bornes o conexiones del módulo.



SUPERFICIE CALIENTE

Superficies externas calientes:

Según las normas locales relativas a la Salud y Seguridad en el trabajo, los fabricantes están obligados a proteger a los ingenieros de servicio además de a los usuarios. Para que esto se cumpla, debe colocarse una etiqueta en estos productos que pueda ser vista claramente por el personal de servicio que accede al equipo general, y con advertencias legibles de que las superficies de estos productos pueden estar calientes y no deben tocarse cuando los productos se encuentran en funcionamiento.

La unidad se puede montar en cualquier orientación.

Las aberturas de ventilación de estos productos no deben obstruirse jamás. Asegúrese de que quede una separación de 50 mm por lo menos entre cualquier obstrucción y las aberturas de ventilación.

La cubierta/chasis de la unidad ha sido diseñada para que proteja a las personas cualificadas de los peligros. No deben ser utilizadas como parte de las cubiertas externas de cualquier equipo al que pueden acceder los operarios, ya que bajo unas condiciones de carga completa, la pieza o piezas del chasis de la unidad pueden alcanzar temperaturas superiores a las consideradas seguras para el acceso de los operarios.

Instruções gerais de segurança:**LEIA AS INSTRUÇÕES DE SEGURANÇA****Manutenção:**

Estes produtos não são podem ser submetidos a manutenção por parte do cliente. Apenas a TDK-Lambda UK LTD e os seus agentes autorizados têm permissão para realizar reparações.

Componentes essenciais:

Não é autorizada a utilização destes produtos como componentes essenciais de sistemas de controlo nuclear, sistemas de suporte de vida ou equipamento para utilização em ambientes perigosos sem a expressa autorização por escrito do Director-Geral da TDK-Lambda EMEA.

Utilização do produto:

Estes produtos foram concebidos para utilização dentro de um equipamento de alojamento que apenas permita o acesso a pessoal qualificado autorizado.

Este produto é uma alimentação considerado com um componente para ser instalado por pessoas qualificadas, em outros equipamentos. Não deve ser usado como um produto acabado.

Este produto é destinado para venda entre as empresas e pode ser obtido através de canais de distribuição.

Não se destina à venda aos particulares

Este produto é uma alimentação considerado com um componente, não é dentro do application âmbito da directiva CEM.

Conformidade com a directiva CEM devem ser considerados na instalação final.

Entre em contacto com seu escritório TDK-Lambda mais próximo.

Ambiental:

Estes produtos são IPX0 e, como tal, não se devem utilizar químicos/solventes, agentes de limpeza e outros líquidos.

Ambiente:

Esta fonte de alimentação é uma fonte de alimentação do modo de comutação para utilização em aplicações com um Nível de Poluição 2 e ambientes da categoria de sobretensão II. São utilizadas placas de circuitos impressos do grupo de materiais IIIb.

Carga de saída:

A potência de saída extraída da fonte de alimentação não deve exceder a classificação assinalada na etiqueta da fonte de alimentação, excepto quando indicado nas limitações do produto neste guia.

Parâmetros de entrada:

Este produto deve ser utilizado dentro dos parâmetros de entrada indicados nas limitações do produto neste guia.

Eliminação no fim de vida:

A unidade contém componentes que necessitam de procedimentos especiais de eliminação. Certifique-se de que a unidade é devidamente eliminada no fim da sua vida útil e que tal é feito em conformidade com os regulamentos locais.

**RISCO DE CHOQUE ELÉCTRICO****Aviso de alta tensão:**

Estão presentes tensões perigosas dentro da fonte de alimentação. O profissional que realizar a instalação deve proteger o pessoal de assistência contra contactos inadvertidos com estas tensões perigosas do equipamento final.

AVISO: Quando instalado num equipamento de Classe I, este produto deve ser ligado à terra de forma fiável e instalado por um profissional.

As saídas (+) e (-) podem ser ligadas à terra ou deixadas soltas.

O conector de entrada de alimentação não deve ser utilizado como terminal de cablagens no local.

Não utilize parafusos de montagem, uma vez que estes penetrarão na unidade em mais do que 3.5mm.

Nestes produtos utilizam-se parafusos especiais de ligação à terra, que ligam a cobertura ao chassis. Não devem ser removidos. Se forem removidos por engano, deverão ser substituídos por parafusos novos, devendo-se testar a ligação à terra do produto.

Existe um fusível interno que protege a unidade e que não deve ser substituído pelo utilizador. Em caso de defeito interno, a unidade deve ser devolvida à TDK-Lambda UK LTD ou a um dos seus agentes autorizados.

O equipamento de utilização final deve fornecer um bastidor com protecção mecânica, eléctrica e contra incêndios adequada.

Perigos de energia:

Alguns módulos tem a capacidade de fornecer energia perigosa (240 VA), de acordo com a configuração da tensão de saída. O equipamento final do fabricante deve garantir que o pessoal de assistência está protegido contra contactos inadvertidos com estes terminais de saída do módulo. Se essa energia perigosa for produzida, as ligações e os terminais do módulo não devem ser acessíveis pelos utilizadores.



SUPERFÍCIE QUENTE

Superfícies quentes externas:

Segundo com os regulamentos locais sobre saúde e segurança no local de trabalho, os fabricantes têm a obrigação de proteger os técnicos de manutenção, bem como os utilizadores. De forma a respeitar este regulamento, estes produtos deverão ter uma etiqueta que seja facilmente visível ao pessoal de assistência que aceda ao equipamento em geral, e que alerte, de forma legível, para o facto de as superfícies destes produtos poderem estar quentes, não devendo ser tocadas quando os produtos estão em funcionamento.

A unidade pode ser montada em qualquer orientação.

As aberturas de ventilação destes produtos não devem ser obstruídas. Certifique-se de que existe um espaçamento de pelo menos 50 mm entre qualquer obstrução e as aberturas de ventilação.

O chassis/cobertura da unidade está concebido de forma a proteger o pessoal especializado de perigos. Não devem ser utilizados como parte das coberturas externas de qualquer equipamento em que possam estar acessíveis aos operadores, uma vez que em condições de carga máxima, algumas peças do chassis da unidade podem atingir temperaturas superiores às consideradas seguras para o acesso do operador.

Special Instructions for medical applications of the following standards:**IEC/EN 60601-1 3rd Edition + A1****ANSI/AAMI ES 60601-1****CSA 22.2 No 60601-1**

These products are designed for continuous operation within an overall enclosure, and must be mounted such that access to the mains terminals is restricted. See the appropriate standard listed above.

These products are NOT suitable for use in the presence of flammable anaesthetic mixtures with air or with oxygen, or with nitrous oxide.

For IEC/EN 60601-1 3rd Edition + A1, ANSI/AAMI ES 60601-1, CSA 22.2 No. 60601-1, the MU range provides reinforced insulation between input and outputs (2 MOPPs) and Basic insulation (1x MoPP) between Input and earth and Basic insulation (1 x MoPP) outputs to Earth.

Connect only apparatus complying with the standards listed above as appropriate to the signal ports.

The following secondary output circuits are SELV: All except 48V SB module and specific series modules. Refer to Model Limitations for series modules which may not be SELV.

These products are classed as ordinary equipment and are not protected against the ingress of water (IPX0).

Reference should be made to local regulations concerning the disposal of these products at the end of their useful life.

Where any part of this product is made accessible to the operator in the end use equipment, the operator must not touch this part and the patient at the same time.

These products have not been assessed to IEC/EN60601-1-2 (EMC) but EMC test data is available from TDK-Lambda UK Ltd.

WARNING: No modification of this product is allowed.

Special instructions for IEC/EN/UL/CSA 62368-1

Outputs that may have been previously SELV (in accordance with 60950) need to be reconsidered as Energy Sources 1, 2 and 3 under 62368-1. Please refer to the Energy Source Classification Table of this document and the safety file for further guidance.

Environmental Specifications:

Description	Operation	Storage
Use	Indoor	-
Temperature	0°C - +70°C (derating above 45°C See Cooling Options)	-40°C - +70°C
Humidity	5 - 95% RH, non-condensing	5 - 95% RH, non-condensing
Altitude	-200m - 5000m	-200m - 5000m
Pressure	54kPa - 106kPa	54kPa - 106kPa
Orientation	Any	Any
Material Group	IIIb	
Pollution Degree	2	
Description	Operation	Storage
Overvoltage Category	II	
Class	I	
Weight	1.1Kg Max	
IP Rating	IPX0	

Level of Insulation:**MU4**

Dielectric Strength testing is carried out as follows:

Primary mains circuit to earth: 2.530kVdc.

*Primary mains circuits to secondary: 6.407kVdc.

Secondary circuits to earth: 2.122kVdc.

MU6

Primary mains circuit to earth: 2.619Vdc.

*Primary mains circuits to secondary: 6.507kVdc.

Secondary circuits to earth: 2.122kVdc

*Important Note: This test is not possible with Y capacitors fitted to the unit as damage to these capacitors may occur.

Outputs to each other are isolated to 200Vdc for SC and SB modules and 100Vdc for DM modules (except for specific non-standard models which may have 1 x MOPP at 250Vac).

Safety Approvals:

UL62368-1 and CSA22.2 No.60950-1 - UL Recognised. C-UL for Canada.

UL/CSA 60601-1 - UL + C -UL approval

IEC/EN62368-1 and/or IEC/EN60601-1 - CB Report and Certificate.

EN62368-1 - CE mark.

EN62368-1 - UKCA mark.

CE marking when applied to any MU product indicates compliance with the Low Voltage Directive in that it complies with EN62368-1 and with the RoHS Directive.

UKCA marking when applied to any MU product indicates compliance with the Electrical Equipment (Safety) Regulations 2016 in that it complies with EN62368-1 and with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.

Fusing:**MU4 Series**

Internal fuse (F1) Options D and E: Dual fuses in the L and N line or single fuse in the live line. 10A/250V fast acting HBC, 5x20mm.

MU6 Series

Internal fuse (F1) Options D and E: Dual fuses in the L and N line or single fuse in the live line. 20A/250V fast acting HBC, 5x20mm

Symbols:



AC



EARTH

N – Neutral

L – Live

If the earth terminal of the MU PSU is connected to the main incoming earth conductor of the end equipment, the installer must cover the earth symbol with a label bearing the earth symbol of IEC60417-5019.

Note: All output voltages/variants may not be available as standard units, refer to datasheet for standard product range. These (and other variants) may be available as non-standard or custom units. Please contact our sales team for details.

Model Differences

This report covers the MU series of switch mode power supplies. The MU series consists of a 4 slot model (MU4), with each slot capable of fitting single modules. The MU4 is available as 600W or 800W depending on the input voltage. A primary option or PMbus option may be fitted.

Nomenclature

MUsabcdef-ghi for modular configurations

Where	s	=	(Number of slots) 4 for MU4 models 6 for MU6 models
	a	=	(Cooling) F for variable speed, forward air
	b	=	(Input connection) S for screw
	c	=	(Input fusing) D for dual fuse, AC input E for single fuse in the live line, AC input
	d	=	(Leakage current) L for 300uA
	e	=	(Primary option) Blank for none fitted E5H for global enable with 5V standby E12H for global enable with 12V standby T5H for global inhibit with 5V standby T12H for global inhibit with 12V standby Q5xxxxx for 5V PMBus (where x may be any number or letter)

May be followed by:

Single output modules

vMcd

Where	v	=	Output voltage
	M	=	SB (Module name) or SC (Module name)
	c	=	S for screw (Output terminal)
	d	=	See letter from Module Signal Option Table

Twin Output Modules

v/vMcd

Where	v	=	Output voltage
	M	=	DM (Module name)
	c	=	M for Molex (output terminal)
	d	=	See letter from module signal Option table

Blanking plates

B/S

Where	B/S	=	Blanking plate
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Parallel output modules

vZxcd

Where	v	=	Output voltage
	Z	=	Paralleled modules using SB or SC modules
	x	=	Number of slots. Refer to Parallel and Series Combination Tables
	c	=	S for screw (Output terminal)
	d	=	See letter from Module Signal Option Table

Series output modules

vYxcd

Where	v	=	Output voltage
	Y	=	Series modules using SB or SC modules
	x	=	Number of slots. Refer to Parallel and Series Combination Tables
	c	=	S for screw (Output terminal)
	d	=	See letter from Module Signal Option Table

Non safety related changes/options

-ghi

Where ghi = Any 3 characters which may define non-safety related parameters/features, e.g. reduced primary current limit, reduced OVP and coatings etc...
Blank for standard unit

Module Signal Option Table

SB Modules

Table 1: x – module signal options (Remote sense built in to option)

Letter (x)	Module / output enable	Module / output inhibit	Module / output good (inc LED)	Share bus for paralleling	Remote Sense
L	Option not fitted				
F	Yes	No	Yes	No	Yes
G	No	Yes	Yes	No	Yes
H	Yes	No	Yes	Yes	Yes
J	No	Yes	Yes	Yes	Yes

SC Modules

Table 1: x – module signal options (Remote sense built in to option)

Letter (x)	Module / output enable	Module / output inhibit	Module / output good (inc LED)	Share bus for paralleling	Remote Sense
L	Option not fitted				
F	Yes	No	Yes	No	Yes
G	No	Yes	Yes	No	Yes

DM Modules

Table 2: x – module signal options (Remote sense built in to option)

Letter (x)		Module / output enable	Module / output inhibit	Module / output good (inc LED)	Share bus for paralleling	Remote Sense
F	CH1	Yes	No	Yes	No	Yes
	CH2	Yes	No	Yes	No	Yes
G	CH1	No	Yes	Yes	No	Yes
	CH2	No	Yes	Yes	No	Yes
L	CH1	Option not fitted				
	CH2	Option not fitted				

Parallel and Series Combination Tables

Series connection number of slots.

Qty of modules	Using series SB modules	Slots	Using series SC modules	Slots
1	SB	1	SC	2
2	YC	2	YF	4

Limitations of use:

1. Output voltage is the combined series modules voltage.
2. Module limitations apply to series modules.

Parallel connection number of slots

Slots	Number of parallel SB modules	Number of parallel SC modules	Module name
2	2	0	ZC
4	0	2	ZF

See ratings in Module output ratings table below

ELECTRICAL & THERMAL RATINGS

Input Parameters

MU4 Series

Standard	62368-1	60601-1
Nominal input voltage range (V)	100 - 240Vac, (200 - 240Vac, *	100 - 240Vac (200 - 240Vac)*
Input voltage range inc tolerances(V)	85 - 264Vac (180 - 264Vac)*	85 - 264Vac (180 - 264Vac)*
Input frequency range (Hz)	47 – 63**	47 - 63
Maximum input current (A)	8A rms (6A rms)*	8A rms (6A rms)*

* Input details for 800W models.

MU6 Series

Standard	62368-1	60601-1
Nominal input voltage range (V)	100 - 240Vac (200 - 240Vac)*	100 - 240Vac (200 - 240Vac)*
Input voltage range inc tolerances(V)	85 - 264Vac (180 - 264Vac)*	85 - 264Vac (180 - 264Vac)*
Input frequency range (Hz)	47 – 63**	47 - 63
Maximum input current (A)	16.5A rms (10.5A rms)*	16.5A rms (10.5A rms)*

* Input details for 1500W models.

**Consult technical sales for frequencies above 63Hz.

Output Parameters Table:

Module	Note	Slots	Channel	Vout (Nom)	Range (V)	Output current (A)	Output power (W)	Hazardous energy
SB	-	1	1	5	3.3-6	30	150	No
SB	-	1	1	12	6-15	20	240	Yes
SB	-	1	1	24	15-30	10	240	Yes
SB	-	1	1	48	30-52	5	240	Yes
SC	-	2	1	12	12-13.2	42	504	Yes
SC	-	2	1	24	24-26.4	21	504	Yes
SC	-	2	1	48	48-52.8	10.5	504	Yes
DM	-	1	1	12	5-15	8	96	No
			2	12	5-15	8	96	No
DM	-	1	1	12	5-15	8	96	No
			2	24	15-30	4	96	No
DM	-	1	1	24	15-30	4	96	No
			2	24	15-30	4	96	No
5V G/Option	-	-	1	5	Fixed	2	10	No
12V G/Option	-	-	1	12	Fixed	1	12	No
YC	-	2	1	10	6-12	30	300	Yes
YC	-	2	1	24	12-30	20	480	Yes
YC	-	2	1	48	30-60	10	480	Yes
YC	-	2	1	96	60-104	5	480	Yes
YF	-	4	1	24	24-26.4	42	1008	Yes
YF	-	4	1	48	48-52.8	21	1008	Yes
YF	-	4	1	96	96-105.6	10.5	1008	Yes
ZC	-	2	1	5	3.3-6	60	300	Yes
ZC	-	2	1	12	6-15	40	480	Yes
ZC	-	2	1	24	15-30	20	480	Yes
ZC	-	2	1	48	30-52	10	480	Yes
ZF	-	4	1	12	12-13.2	75	900	Yes

Cooling options

MU4 Series

Cooling option	Input voltage	Output power (W)	Ambient (°C)	Derating
F (Forward air, variable speed)	100 – 240Vac	600	45	50°C is achievable with input voltages above 111Vac input. Ambient is de-rated from 50°C down to 45°C, linearly, with input voltages from 111Vac down to 100Vac. Module and output power derated by 2.5% per °C above 50°C, up to 70°C max. Derate 1%/V below 100Vac
F (Forward air, variable speed)	200 – 240Vac	800	50	2.5% per °C above 50°C, up to 70°C max.

MU6 Series

Cooling option	Input voltage	Output power (W)	Ambient (°C)	Derating
F (Forward air, variable speed)	100 – 240Vac	1200	45	50°C is achievable with input voltages above 111Vac input. Ambient is de-rated from 50°C down to 45°C, linearly, with input voltages from 111Vac down to 100Vac. Module and output power derated by 2.5% per °C above 50°C, up to 70°C max. Derate 1%/V below 100Vac
F (Forward air, variable speed)	200 – 240Vac	1500	50	2.5% per °C above 50°C, up to 70°C max.

Connections

Refer to outline drawings

Output Limitations

Adjusting output voltage beyond the stated range may cause overvoltage protection (OVP) to operate, whereby the output will latch off. To reset for normal operation simply adjust the potentiometer to reduce the output voltage to within its range and cycle the input off then on.

Series modules

Refer to the table below for series module Energy Source Classification and SELV classification.

Only two modules may be fitted in series.

Modules must be of the same type and the voltage split evenly between modules.

Any module type not shown in table below must be considered as Non-SELV and ES3

Module Code	Slots	Number of Outputs	Module Description	ES1/ SELV (Voltage range used)	ES2 (Voltage range used) Non-SELV	ES3 (Voltage range used) NON-SELV
SB	1	1	Single module	3.3-6V 6-15V 15-30V	30-52V	-
YC	2	1	Modules connected in series	6.6-12V 12-30V	>30 - 60V	>60-104V
SC	2	1	Single module	12V 24V	24-48V	-
YF	4	1	Modules connected in series	24V	>24-48V	>48-96V

If the total voltage of outputs connected in series exceeds the ES1/SELV limit then all outputs must be considered Non-SELV, ES2 or ES3 as appropriate.

Outputs that are either Non-SELV, ES2 or ES3 are hazardous and must not be made user accessible. Consideration must be given to service engineers making inadvertent contact with the output terminals in the end equipment.

Cooling for units used in an ambient between 45 and 50°C

The following method must be used for determining the safe operation of PSUs.

The components listed in the following table must not exceed the temperatures given. To determine the component temperatures the heating tests must be conducted in accordance with the requirements of the standard in question. Consideration should also be given to the requirements of other safety standards. Test requirements include: PSU to be fitted in its end-use equipment and operated under the most adverse conditions permitted in the end-use equipment handbook/specification and which will result in the highest temperatures in the PSU. To determine the most adverse conditions consideration should be given to the end use equipment maximum operating ambient, the PSU loading and input voltage, ventilation, end use equipment orientation, the position of doors & covers, etc. Temperatures should be monitored using type K fine wire thermocouples (secured with cyanoacrylate adhesive, or similar) placed on the hottest part of the component (out of any direct airflow) and the equipment should be run until all temperatures have stabilised.

Cooling for unit temperature table (see layout drawings below):

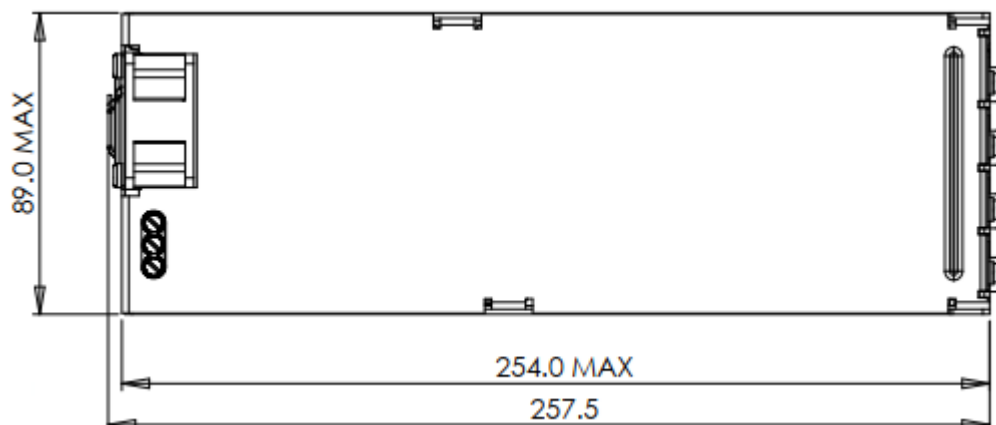
Circuit Ref.	Description	Max. Temperature (°C)
PFC	-	-
MU4	-	-
J1	Input connector	(105)
F1	Fuse support	(125)
L202, L204	Common Mode Choke	125 (155)
L206	Series mode choke	125 (140)
L207, L208	Boost choke	125 (145)
C1, C2, C3, C4	Electrolytic Capacitors	85 (105)
C207, C208	X Capacitors	(100)
C211, C214, C225, C226	Y Capacitors	(125)
ASY205	Diode bridge	125 (130)
XU6	IC	(85)
MU6		
J1	Input connector	(105)
F1	Fuse support	(125)
L202, L204	Common Mode Choke	125 (155)
L206	Series Mode Choke	125 (140)
L207, L208	Boost Choke	125 (145)
C1, C2, C3, C4, C5, C6	Electrolytic Capacitors	85 (105)
C9	Electrolytic Capacitors	85 (105)
C207, C208	X Capacitors	(100)
C211, C214, C225, C226	Y Capacitors	(125)
ASY205	Diode bridge	125 (130)

Circuit Ref.	Description	Max. Temperature (°C)
Global Options/PMbus	-	-
XU161	Opto-coupler	(100)
XU3	Opto-coupler	100 (125)
TX1	Transformer Class F	(130)
SB Modules	-	-
C101, C102	Electrolytic Capacitors	88 (105)
C104, C105	Y Capacitors	(125)
XU1	Opto-coupler	100 (125)
TX1	Transformer Class F	(130)
L101	Output Choke	110 (140)
SC Modules		
L2	Resonant Choke	125 (155)
C1	Electrolytic Capacitor	88 (105)
C3, C4	Y Capacitors	(125)
XU401, XU421, XU441	Opto-coupler	100 (125)
TX1	Transformer Class F	(130)
L1	Output Choke	110 (140)
DM Modules		
C102, C502	Electrolytic Capacitor	88 (105)
C104, C504	Y Capacitors	(125)
XU2, XU11, XU12, XU801, XU802	Opto-coupler	100 (125)
TX1	Transformer Class F	(130)
XL101, XL501	Output Choke	110 (140)

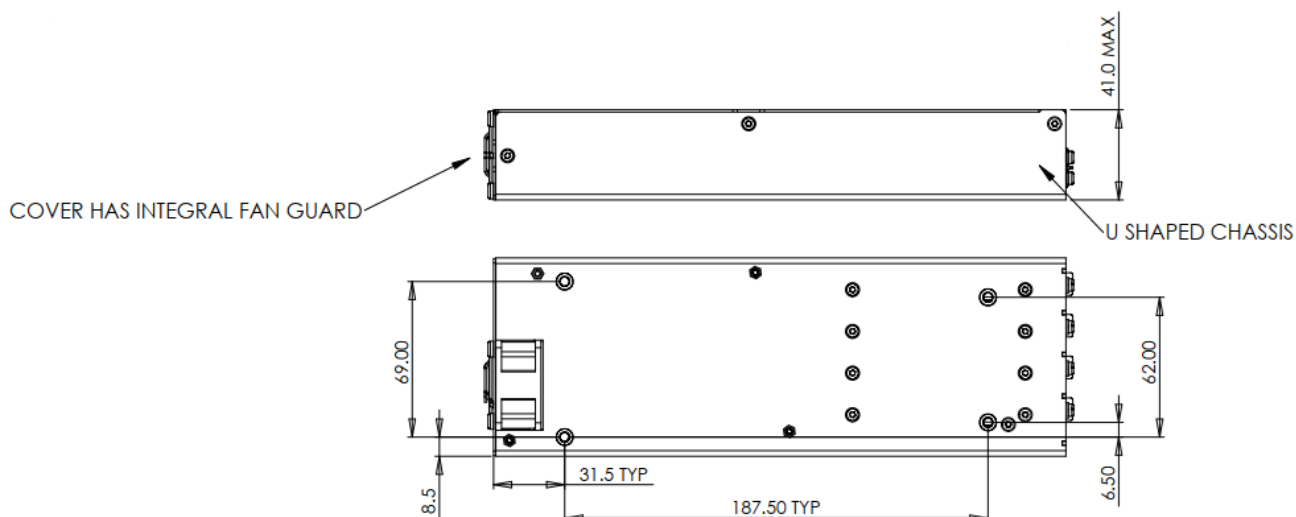
Higher temperature limits (in brackets) may be used but product life may be reduced.

Outline drawings

MU4 Standard Version



GLOBAL OPTION SLOT
SLOT 1
SLOT 2
SLOT 3
SLOT 4

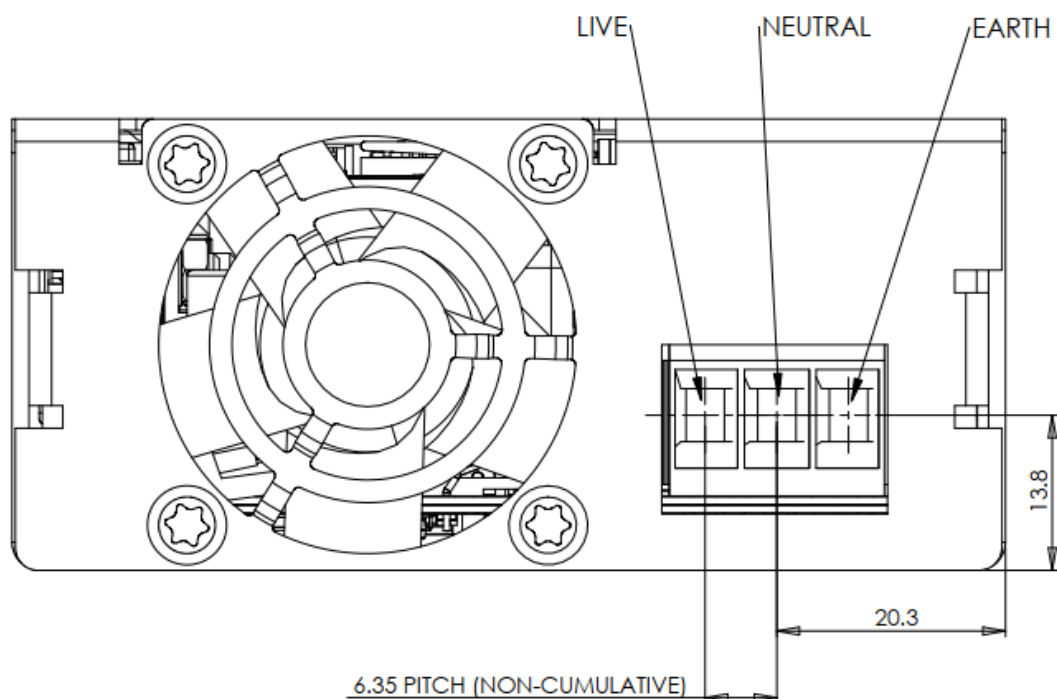


UNDERNEATH VIEW OF FIXINGS (M4, MAX THREAD PENETRATION 3.5mm)

DIMENSION TOLERANCES: 0.00 $\pm$ 0.2 0.0 $\pm$ 0.4

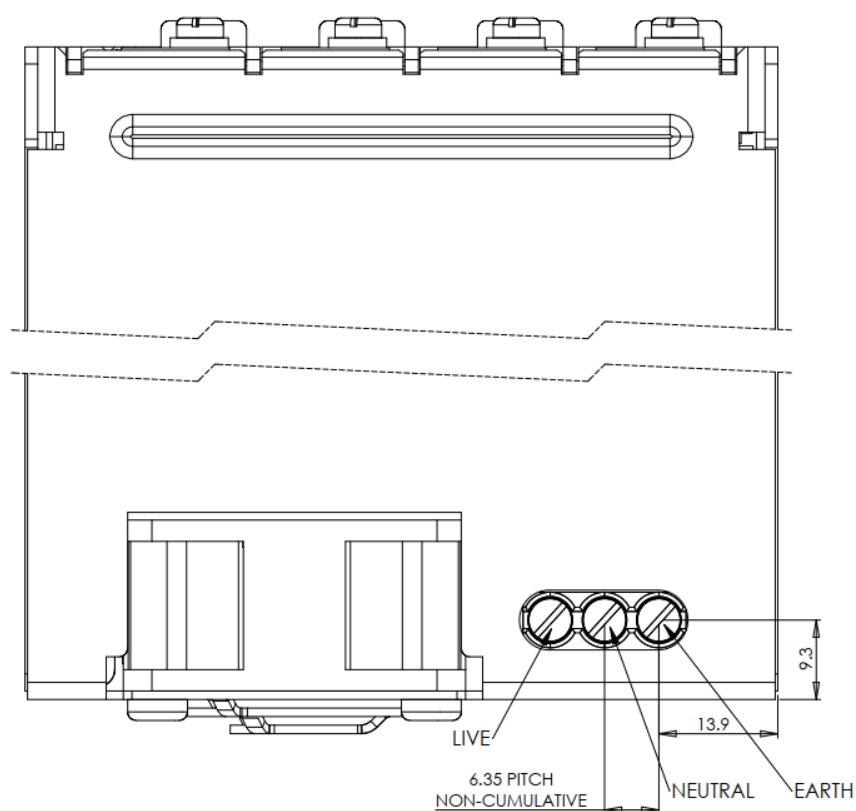
RECOMMENDED TORQUE: M4 1.1 - 1.3Nm

MU4 mains input connector dimensions



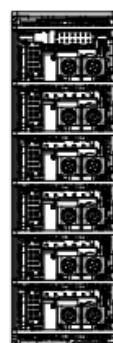
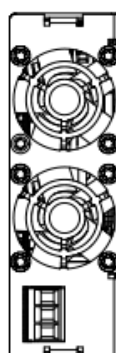
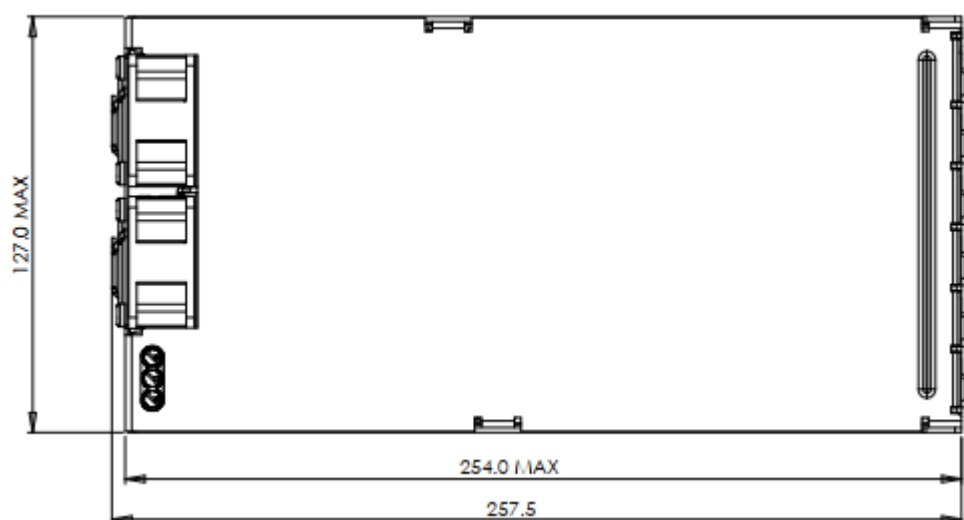
FRONT VIEW

CONNECTOR - PHOENIX MKDS 5/ 3-6,35 OR EQUIVALENT
RECOMMENDED TIGHTENING TORQUE 0.5 - 0.6Nm



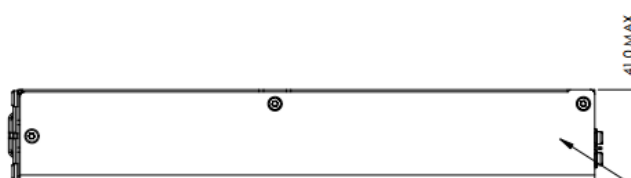
TOP VIEW

MU6 Standard Version

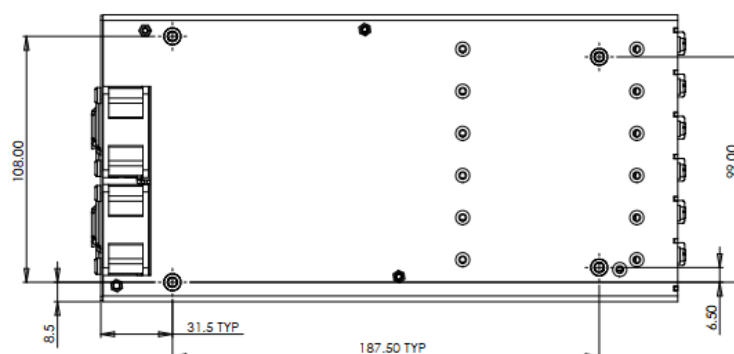


- GLOBAL OPTION SLOT
- SLOT 1
- SLOT 2
- SLOT 3
- SLOT 4
- SLOT 5
- SLOT 6

COVER HAS INTEGRAL FAN GUARDS



U SHAPED CHASSIS

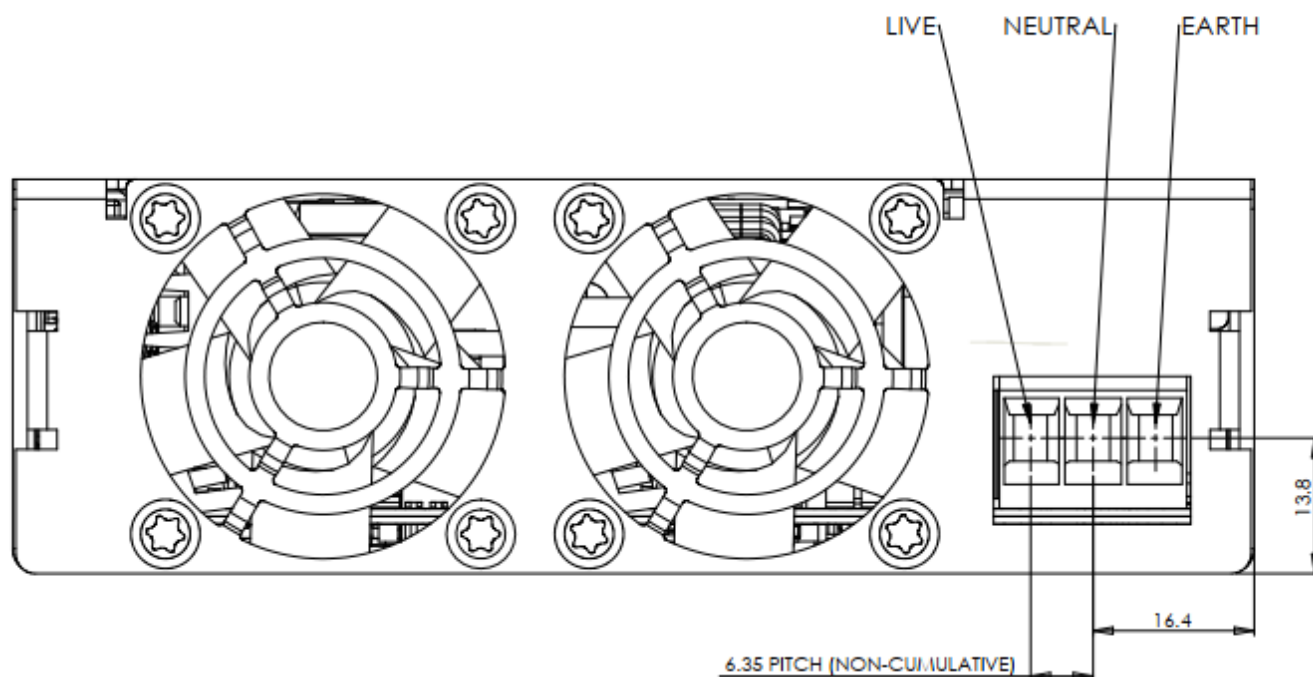


UNDERNEATH VIEW OF FIXINGS (M4, MAX THREAD PENETRATION 3.5mm)

DIMENSION TOLERANCES: 0.00 ±0.2 0.0 ±0.4

RECOMMENDED TORQUE: M4 1.1 - 1.3Nm

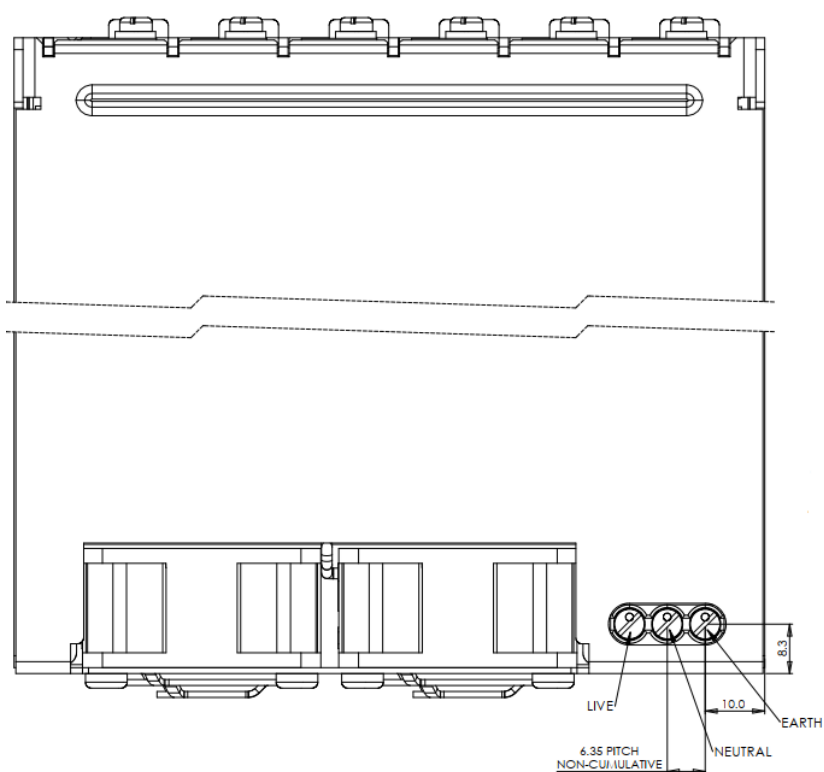
MU6 mains input connector dimensions



FRONT VIEW

CONNECTOR - PHOENIX MKDS 5/ 3-6,35 OR EQUIVALENT

RECOMMENDED TIGHTENING TORQUE 0.5 - 0.6Nm



TOP VIEW

14.9

31.7

9.6

9.2

12.0

18.5

18.5

18.5

18.5

PITCH = 18.5mm NON-CUMULATIVE

78.25

16.50

15.9

31.8

9.2

9.6

13.0

18.5 PITCH

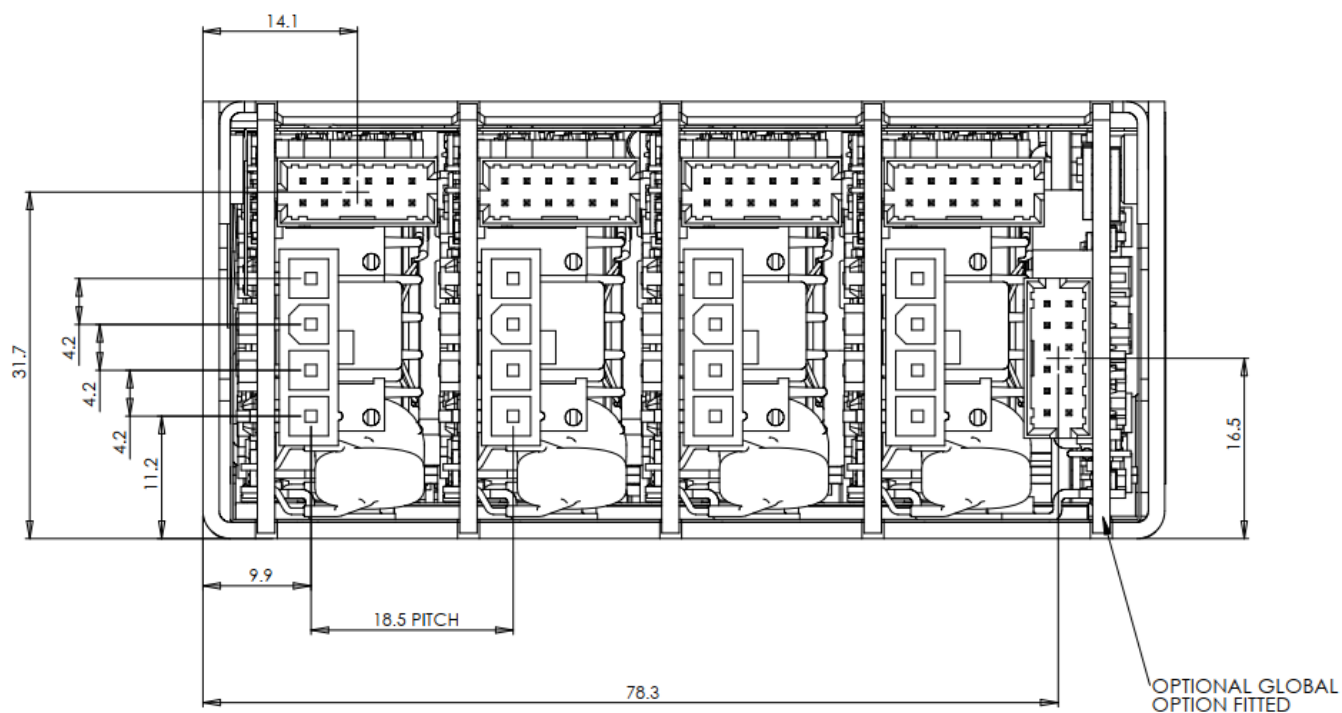
116.3

16.5

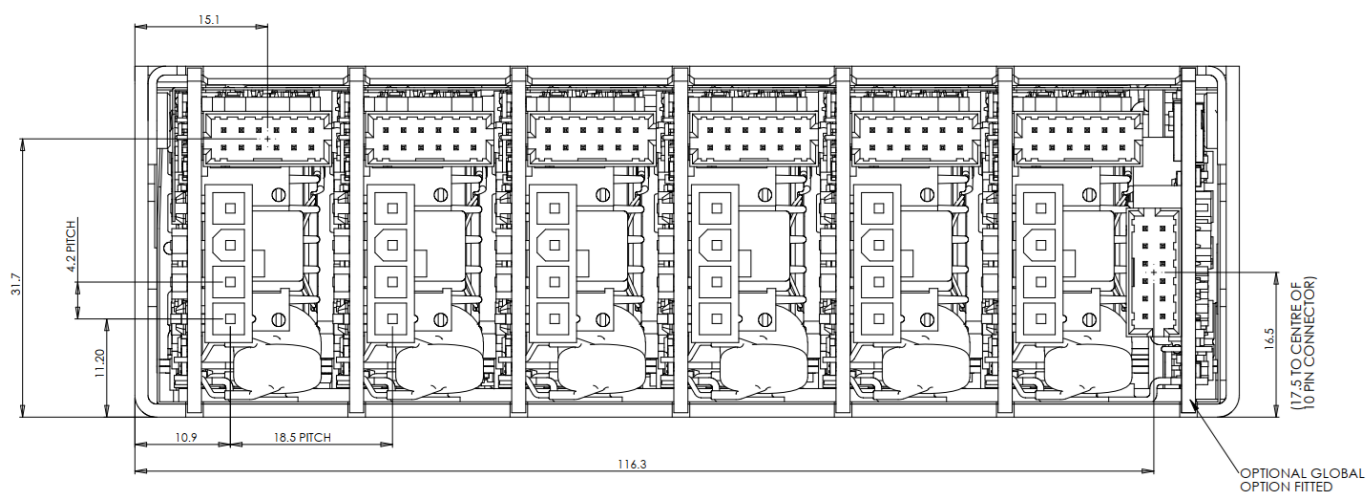
(17.5 TO CENTRE OF 10 PIN CONNECTOR)

OPTIONAL GLOBAL OPTION FITTED

MU4 with DM Modules



MU6 with DM Modules



[illegible]

Top view of the 10-pin connector assembly. The drawing shows the internal layout of the connector, including the 10-pin connector itself, the 10-pin connector housing, and the 10-pin connector pins. Dimensions are provided in millimeters (mm). The overall width is 34.3 mm. The overall height is 31.7 mm. The distance from the center of the 10-pin connector to the center of the 10-pin connector housing is 17.5 mm. The distance from the center of the 10-pin connector to the center of the 10-pin connector pins is 16.5 mm. The distance from the center of the 10-pin connector to the center of the 10-pin connector housing is 14.9 mm. The pitch of the 10-pin connector is 37.0 mm. The overall length of the assembly is 116.3 mm. The drawing also shows the internal components of the connector, including the 10-pin connector housing, the 10-pin connector pins, and the 10-pin connector pins.

31.7

34.3

10.6

11.5

14.9

37.0 PITCH

116.3

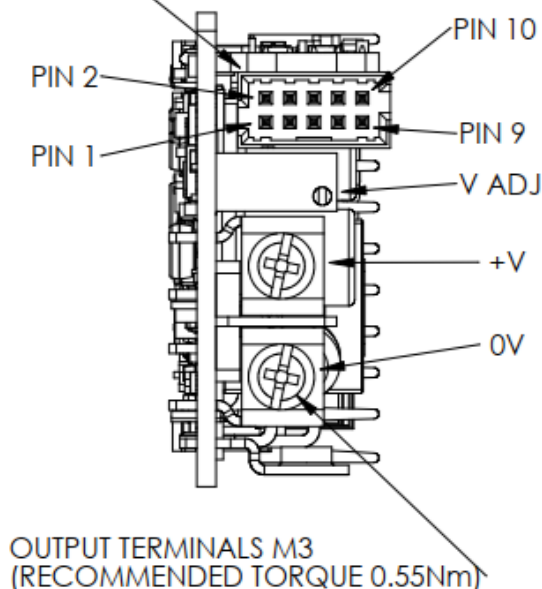
16.5

(17.5 TO CENTRE OF 10 PIN CONNECTOR)

OPTIONAL GLOBAL OPTION FITTED

SB Module Option Connections

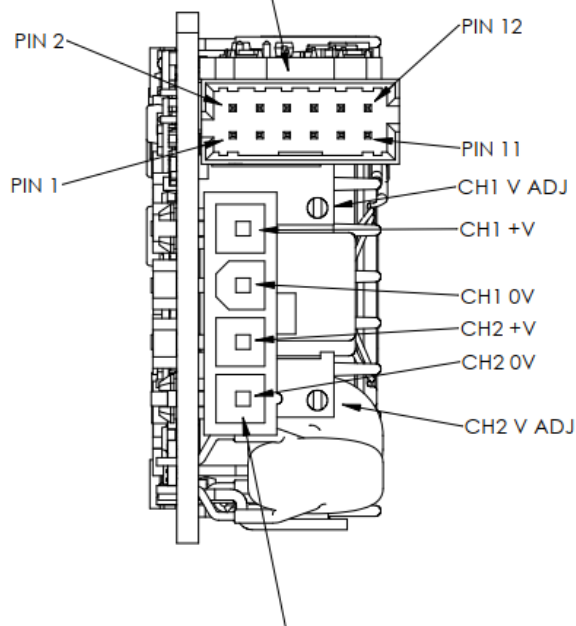
HOUSING: MOLEX 51110-1060
CRIMP TERMINAL: MOLEX 50394



PIN NUMBER	FUNCTION
1	REMOTE SENSE +
2	REMOTE SENSE -
3	CURRENT SHARE
4	CURRENT SHARE
5	NC
6	NC
7	MODULE GOOD COLLECTOR
8	MODULE GOOD EMITTER
9	MODULE ENABLE OR INHIBIT ANODE
10	MODULE ENABLE OR INHIBIT CATHODE

DM Module Option Connections

HOUSING: MOLEX 51110-1260
CRIMP TERMINAL: MOLEX 50394

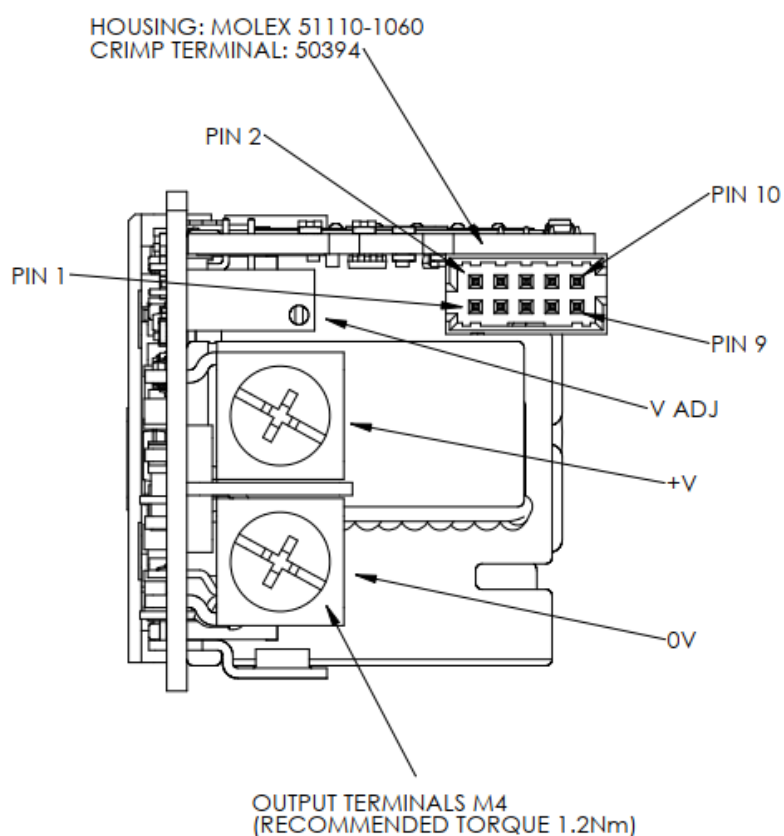


PIN NUMBER	FUNCTION
1	CH1 REMOTE SENSE +
2	CH1 REMOTE SENSE -
3	CH1 MODULE GOOD COLLECTOR
4	CH1 MODULE GOOD EMITTER
5	CH1 MODULE ENABLE OR INHIBIT ANODE
6	CH1 MODULE ENABLE OR INHIBIT CATHODE
7	CH2 REMOTE SENSE +
8	CH2 REMOTE SENSE -
9	CH2 MODULE GOOD COLLECTOR
10	CH2 MODULE GOOD EMITTER
11	CH2 MODULE ENABLE OR INHIBIT ANODE
12	CH2 MODULE ENABLE OR INHIBIT CATHODE

CONNECTOR: MOLEX 39303046
MATES WITH: MOLEX 39014041
CRIMP TERMINAL: MOLEX 457503111 (16 AWG)
OR 457501111 (18 AWG)

ONLY Molex HCS crimp range is suitably rated, other parts may not be suitably rated.

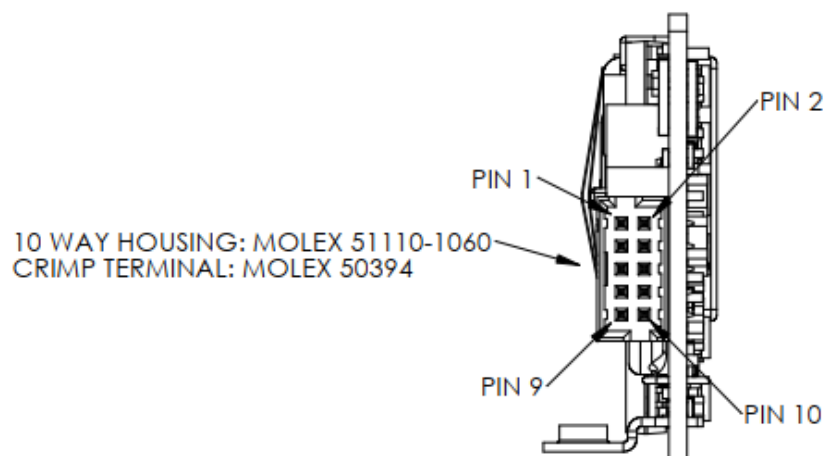
SC Module Option Connections



PIN NUMBER	FUNCTION
1	REMOTE SENSE +
2	REMOTE SENSE -
3	NC
4	NC
5	NC
6	NC
7	MODULE GOOD COLLECTOR
8	MODULE GOOD EMITTER
9	MODULE ENABLE OR INHIBIT ANODE
10	MODULE ENABLE OR INHIBIT CATHODE

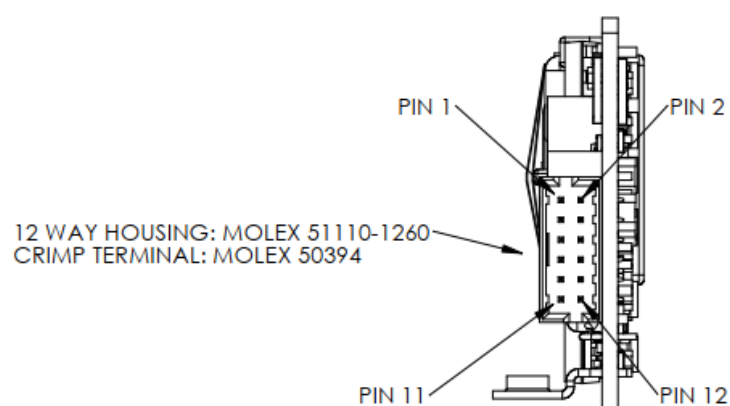
Global Option Connections

Standard Global Option Connections



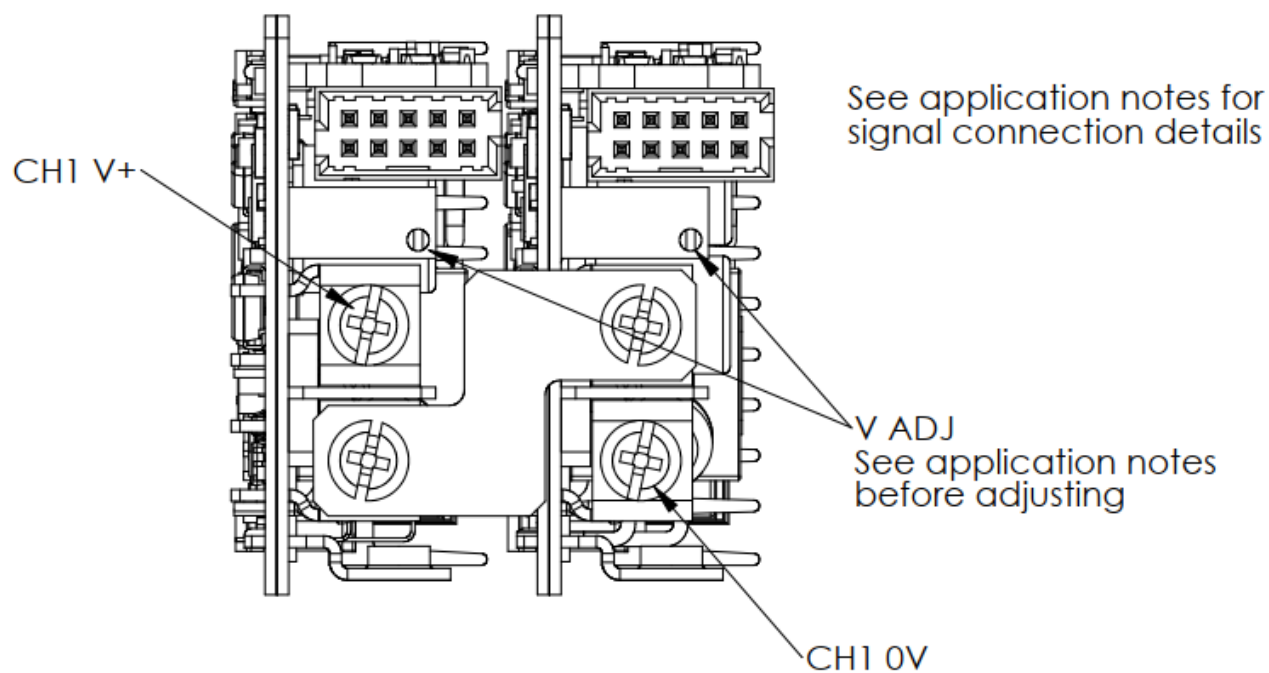
PIN NUMBER	FUNCTION
1	STANDBY +V
2	STANDBY 0V
3	NC
4	NC
5	GLOBAL ON/OFF +
6	GLOBAL ON/OFF -
7	AC FAIL OUT
8	AC FAIL RTN
9	FAN FAIL OUT
10	FAN FAIL RTN

PMBUS Global Option Connections

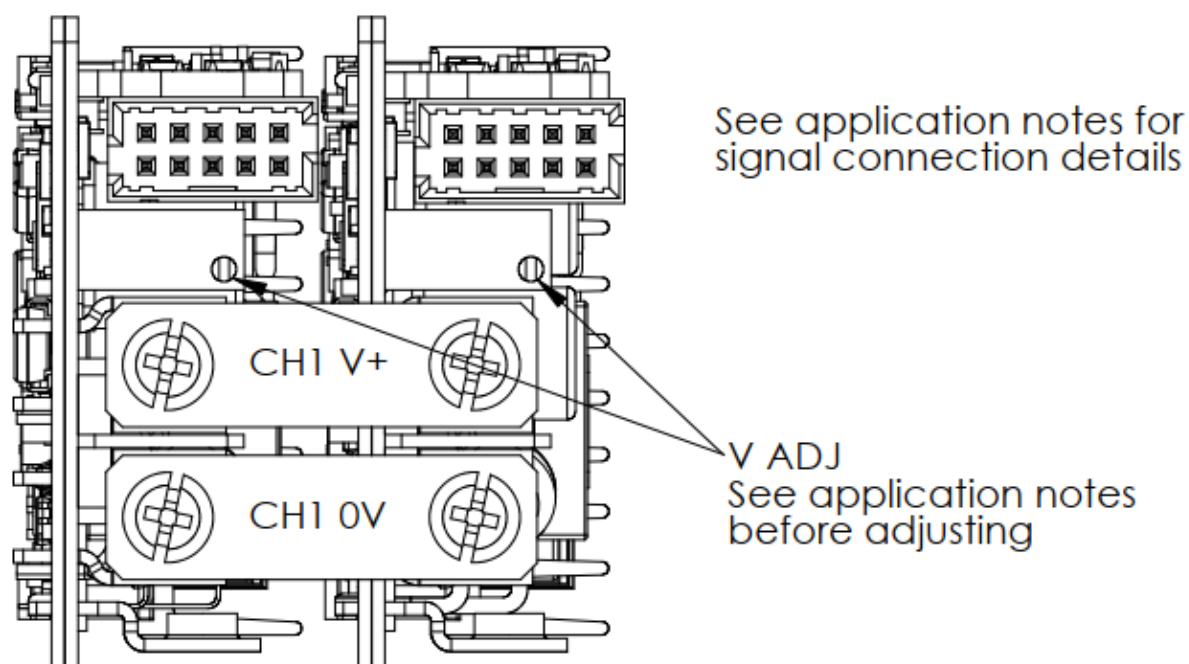


PIN NUMBER	FUNCTION
1	STANDBY +V
2	STANDBY 0V
3	NC
4	FAN FAIL
5	PMB_0 OUT
6	PMB_1 OUT
7	PMB_2 OUT
8	PMB_3 OUT
9	SCL_OUT
10	SDA_OUT
11	PMBUS_CONTROL OUT
12	0V

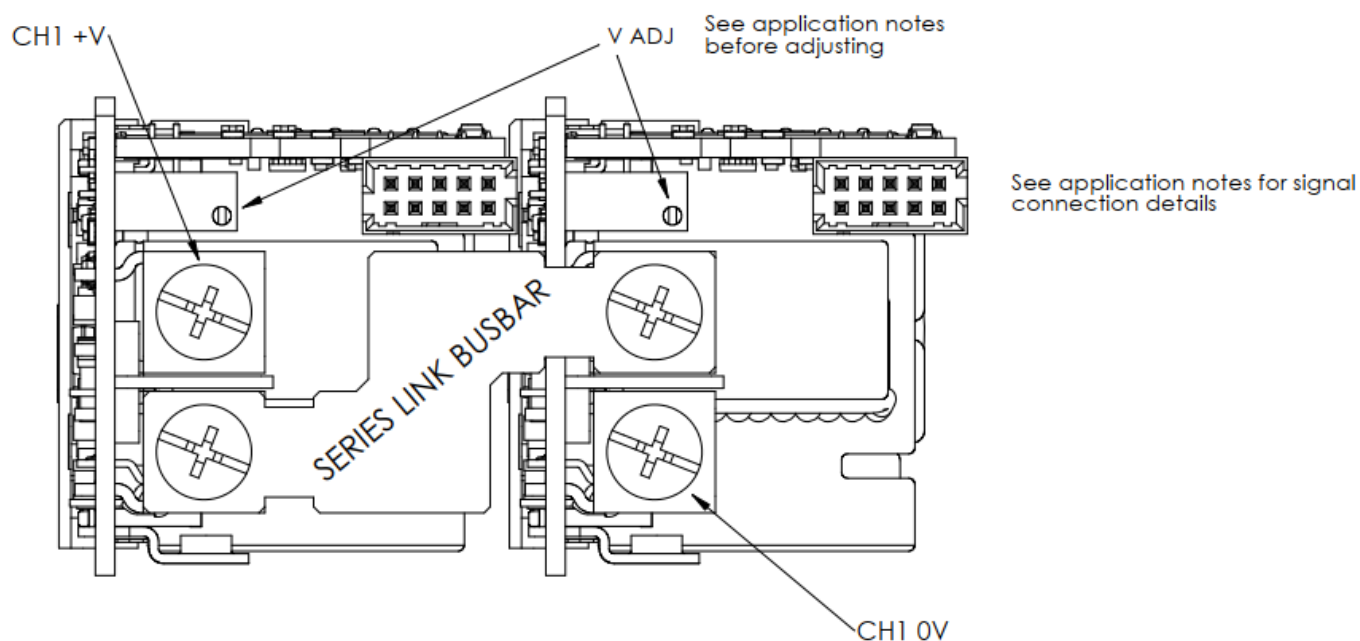
2 x SB Modules in Series



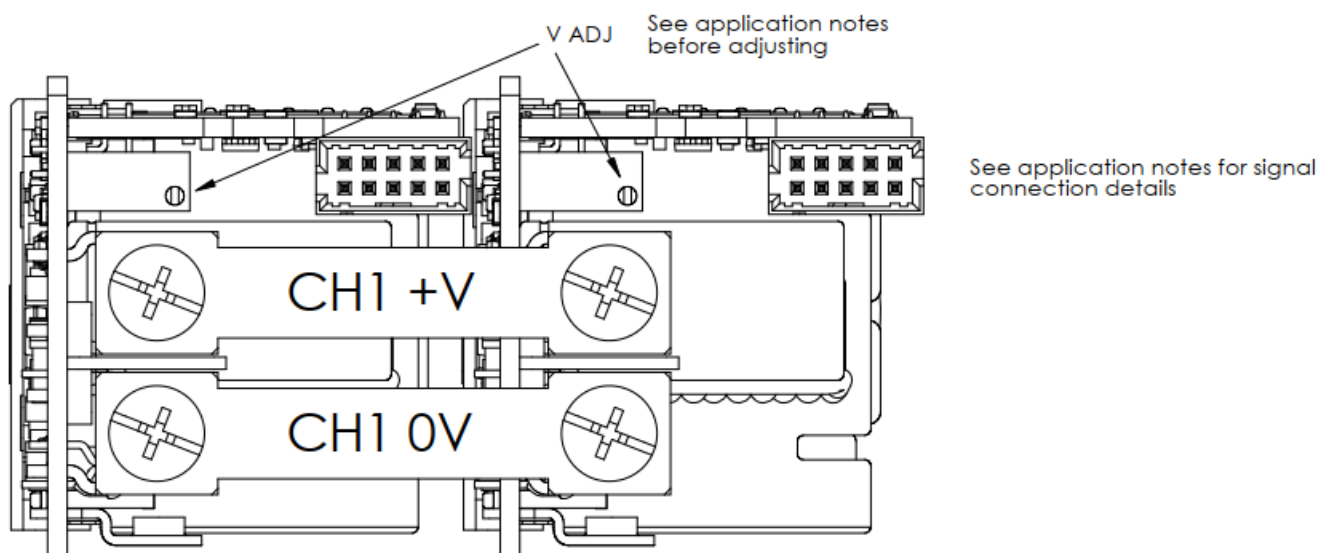
2 x SB modules in Parallel



2 x SC Modules in Series



2 x SC Modules in Parallel



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