



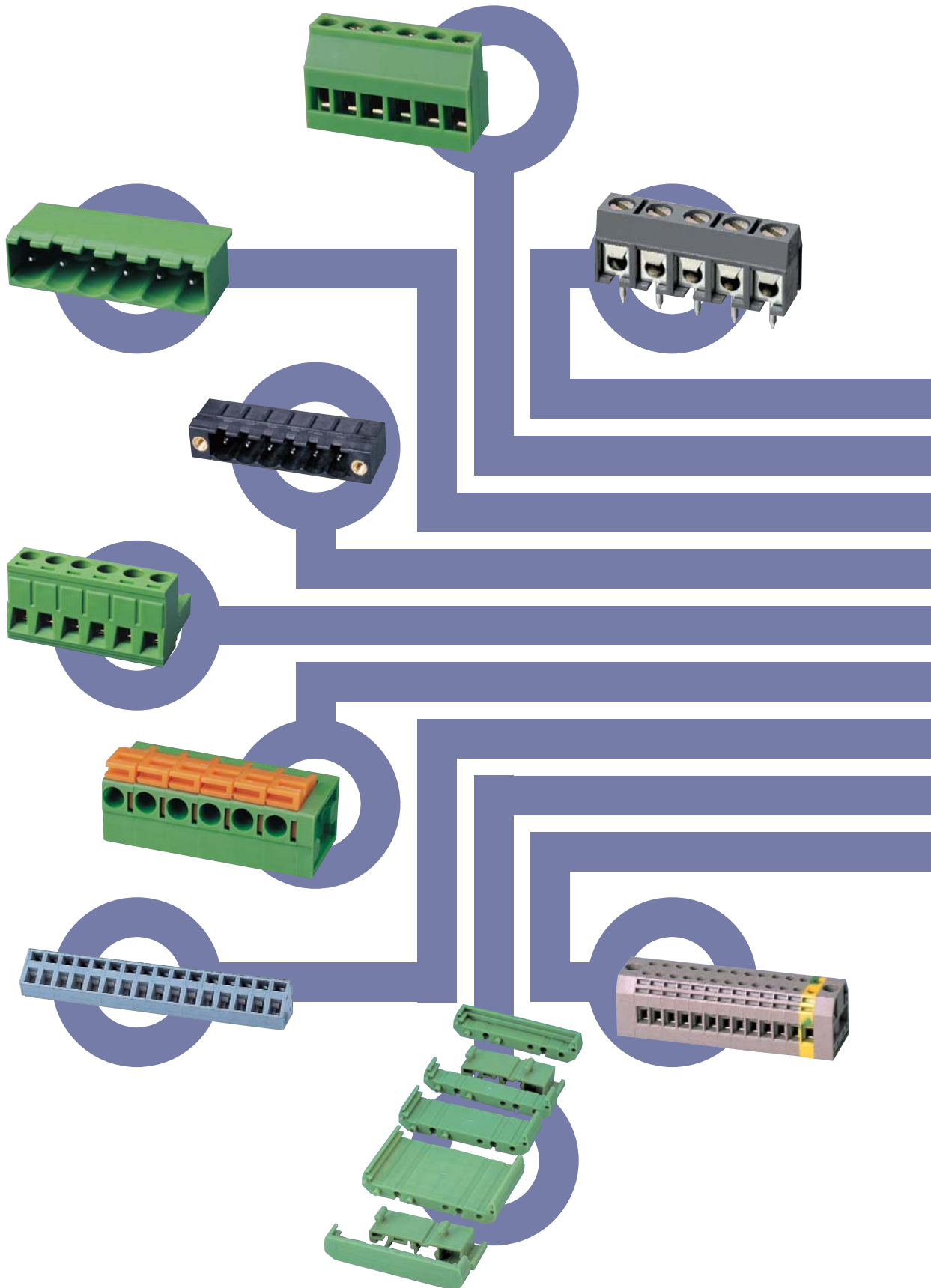


-  Terminal Blocks
-  Klemmleisten
-  Borniers
-  Morsetti per circuito stampato





IMO has been manufacturing innovative control components since 1970. The continuous expansion of the company's manufacturing resources and the development of strategic alliances with manufacturing centres of excellence have produced one of the finest ranges of automation and controls products available today. The first company in Europe to do so, IMO gives a no-quirk Three Year Warranty on the majority of its electronics based control components and a Five Year Warranty on the full range of Jaguar Drives.



IMO stellt seit 1970 innovative Steuerungsbestandteile her. Die ununterbrochene Erweiterung der Herstellung und Ressourcen des Unternehmens und die Entwicklung von strategischen Allianzen mit vortrefflichen Herstellungszentren haben zu einer der besten Reihen von Automatisierungs- und Steuerungsprodukten, die heutzutage erhältlich sind, geführt. IMO ist das erste Unternehmen in Europa, das eine bedingungslose Drei-Jahres-Garantie auf die Mehrzahl seiner elektronisch-basierten Steuerungsbestandteile, und eine Fünf-Jahres-Garantie auf die komplette Reihe der Jaguar Antriebe anbietet.

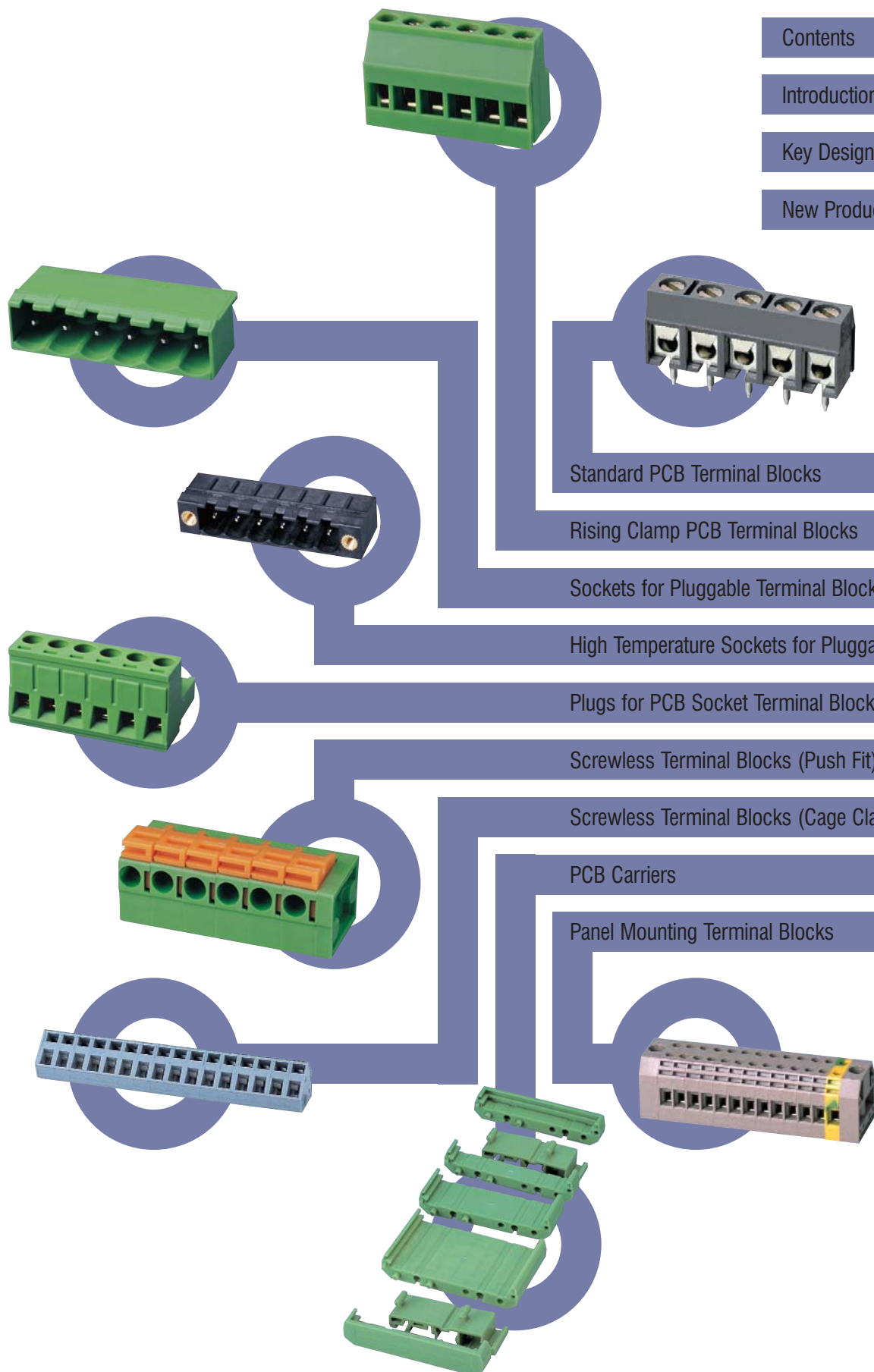


Depuis 1970, IMO a développé des solutions innovantes pour le contrôle de process et de production. L'accroissement continu de ses ressources de fabrication, allié à un développement d'alliances stratégiques avec des centres de fabrication de haute qualité a permis à la société IMO de disposer de produits d'automatisme et de contrôle parmi les meilleurs actuellement. Première société en Europe à le proposer, IMO offre une garantie sans discuter de Trois ans sur la majorité de ses produits d'automatisme et de contrôle équipés d'électronique et de Cinq ans sur l'ensemble de sa gamme de variateurs de vitesse Jaguar.



IMO produce dispositivi di controllo innovativi sin dal 1970. La continua espansione produttiva della società e delle sue risorse e lo sviluppo d'alleanze strategiche con centri di produzione d'eccellenza, hanno creato una delle migliori gamme di prodotti per l'automazione e controllo oggi disponibile. La prima azienda in Europa a farlo, IMO offre una garanzia di tre anni senza condizioni sulla maggior parte dei suoi componenti di controllo elettronico ed una garanzia di cinque anni su tutta la gamma d'Inverter IMO Jaguar.





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Electronic components range



IMO Precision Controls is at the leading edge of electro-mechanical PCB components technology, with ranges of highly specified product through which we constantly strive to meet the ever changing technical demands of our customer base across many market areas.



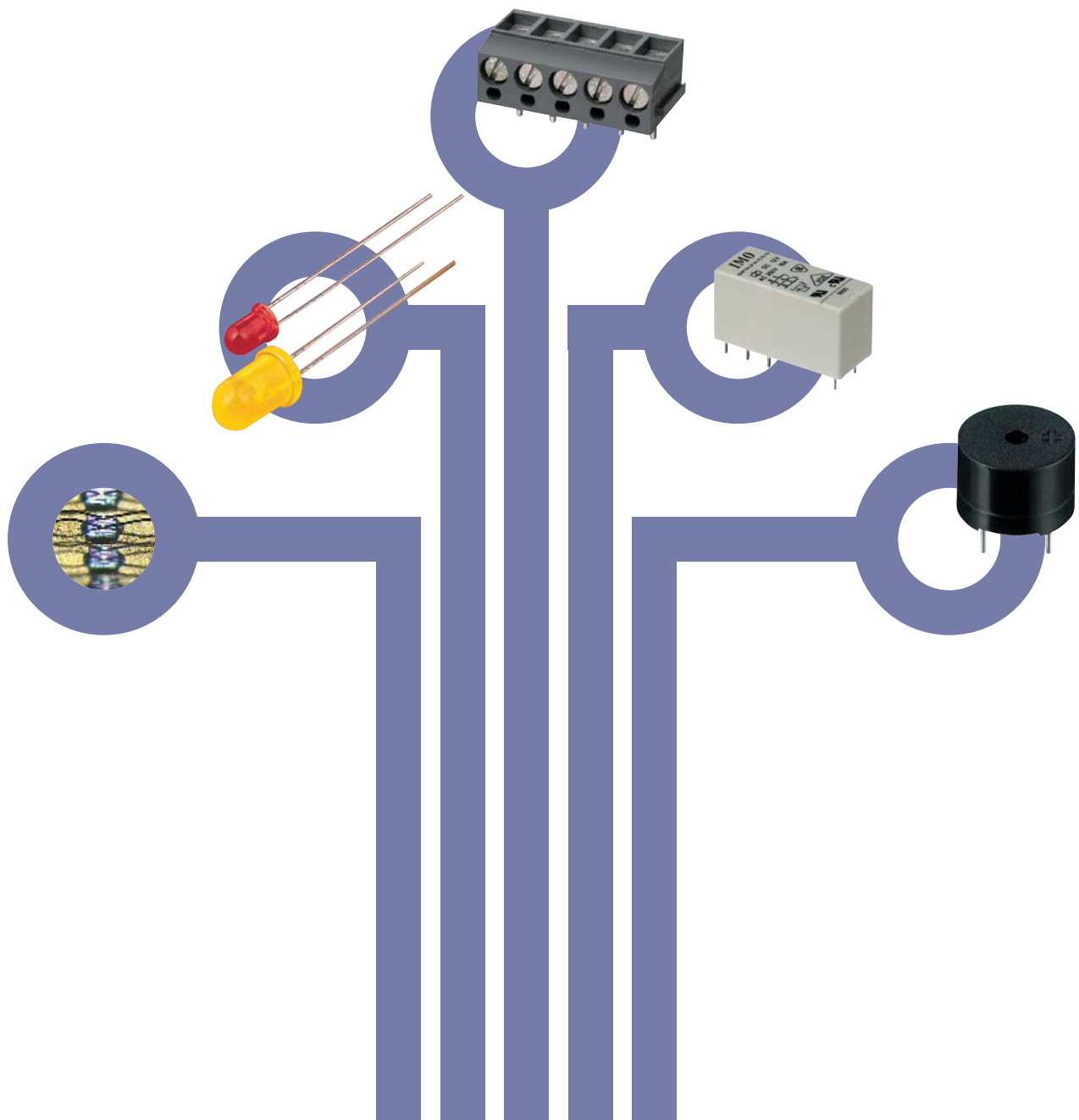
IMO Precision Controls stellt hochmoderne elektromechanische Platinenkomponenten her, deren hochwertige Spezifikation den ständig wechselnden Anforderungen unserer Kunden in vielen Marktbereichen entspricht.



IMO Precision Controls est à la pointe de la technologie des composants électromécaniques pour circuits imprimés avec des gammes de produits très spécifiques à travers lesquelles nous nous efforçons constamment de répondre aux exigences techniques toujours différentes de notre clientèle dans de nombreux secteurs du marché.



IMO Precision Controls è all'avanguardia nella tecnologia dei componenti elettromeccanici per circuiti stampati e offre una gamma di prodotti dalle caratteristiche eccezionali per soddisfare le esigenze sempre variabili dei nostri clienti in tutti i settori industriali.



IMO: connecting to the future



IMO are proud to introduce one of the most comprehensive terminal block ranges available in the market. The IMO Terminal Blocks consist of an insulated material populated with various connection mechanisms that include conventional terminal screw, rising clamp, plug and socket, and screwless types on various pitches and with various electrical capabilities. With our multi-million pound stock holding, at our warehouse facilities, the IMO Terminal Block range gives our customers confidence in our ability to supply a solution to their interconnection problems.

A number of design features have been implemented within the IMO devices to overcome problems typically encountered by our customers when using products of this type, and our continuous investment in tooling for the products, not only allows for production of standard devices, but customer specific designs can also be undertaken and bespoke configurations, including product printing and assembly.

We are confident these new products will offer our customers the technical advantages they need to compete in their own markets. This coupled with highly competitive pricing, high quality and one of the most comprehensive electro-mechanical component packages available, supported by sophisticated IT systems and infrastructure will enable IMO to meet your vendor and administration reduction requirements now and in the future.



IMO stellt eine der umfassendsten Produktreihen an Klemmleisten her. Die IMO Reihenklammern bestehen aus Isolierwerkstoffen mit verschiedenen Anschlussmechanismen, darunter herkömmliche Schraubanschlüsse, "Rising Clamp" Stecker/Buchse, und schraubenlose Ausführungen mit verschiedenen Rasterabständen und elektrischen Eigenschaften. Aufgrund unserer Lagerbestände im Wert von vielen Millionen Euro können unsere Kunden sicher sein, dass IMO eine Lösung für alle Anschlussprobleme liefern kann.

Die IMO Komponenten besitzen verschiedene Konstruktionsmerkmale, die typische Anwendungsprobleme bei Produkten dieser Art ausmerzen. Unsere kontinuierliche Investition in die Herstellung ermöglicht nicht nur die Produktion von Standardkomponenten, sondern auch kundenspezifische Ausführungen, inklusive Aufdruck und Montage.

Wir sind sicher, dass diese neuen Produkte unseren Kunden den nötigen technischen Vorsprung verschaffen, um sich auf dem jeweiligen Markt behaupten zu können. Durch das äußerst wettbewerbsfähige Preisgefüge, die hohe Qualität und das umfassende Sortiment kann IMO, unterstützt durch hochentwickelte IT-Systeme und eine entsprechende Infrastruktur, Ihre Anforderungen auch in Bezug auf Verkauf und geringeren Verwaltungsaufwand jetzt und in der Zukunft erfüllen.



La société IMO est fière de pouvoir proposer les gammes les plus complètes de borniers disponibles sur le marché. Les borniers IMO se composent d'un matériau isolé dans lequel sont installés divers systèmes de connexion parmi lesquels le bornier à vis traditionnel, des borniers à levier de blocage, de type support/fiches et sans vis avec plusieurs pas et diverses capacités électriques. Avec un stock d'une valeur de plusieurs millions de livres sterling dans nos entrepôts, notre gamme de borniers nous permet de justifier la confiance que nous accordent nos clients quant à notre capacité à fournir une solution à leurs problèmes de connexions.

Un certain nombre de caractéristiques conceptuelles ont été mises en œuvre dans les appareils IMO pour résoudre les problèmes typiques rencontrés par nos clients quand ils utilisent des produits de ce type, et notre investissement continu dans l'outillage pour la fabrication des produits nous permet non seulement de produire des appareils standard mais aussi de réaliser des conceptions spécifiques pour nos clients ainsi que des configurations sur mesure, y compris l'étiquetage et le montage du produit.

Nous sommes sûrs que ces nouveaux produits assureront à nos clients les avantages techniques dont ils ont besoin pour rester concurrentiels sur leur marché. Ceci associé à des prix très compétitifs, des produits de haute qualité et l'une des offres de composants électromécaniques les plus complètes actuellement disponibles, soutenu par des systèmes informatiques et une infrastructure sophistiqués, permet à IMO de satisfaire les demandes de réduction de vos coûts de distribution et d'administration dès maintenant et pour longtemps.

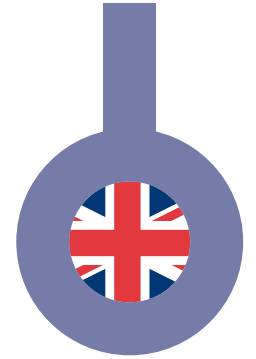


IMO presenta con orgoglio una delle più complete gamme di morsetti e morsettiere disponibile sul mercato oggi giorno. Le morsettiere IMO consistono di un corpo in materiale isolante sul quale sono presenti vari tipi di meccanismi di connessione (ad esempio viti, molle a sollevamento, presa e spina, senza viti) con vari passi e varie capacità elettriche. Con un inventario del valore di molti milioni di sterline a disposizione in magazzino, IMO offre con la sua gamma di morsettiere la sicurezza di poter risolvere tutte le esigenze di interconnessione dei propri clienti.

I prodotti IMO incorporano molte soluzioni progettuali specificamente sviluppate per risolvere i problemi tipicamente incontrati dai clienti nell'utilizzo di questa categoria di prodotti. I nostri continui investimenti in termini di attrezzature e macchinari non solo ci consentono di fabbricare una vasta gamma di prodotti standard, ma ci permettono anche di realizzare progetti specifici e personalizzati secondo il disegno del cliente, compresa la stampa sul prodotto e l'assemblaggio.

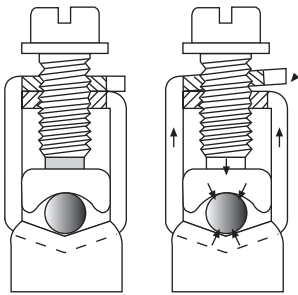
Abbiamo la certezza che questi nuovi prodotti possano offrire ai nostri clienti i vantaggi tecnici di cui hanno bisogno per poter competere con successo nei propri mercati. Prezzi estremamente competitivi, un'elevatissima qualità, uno dei più completi pacchetti di componenti elettromeccanici disponibili sul mercato, uniti a sistemi informatici e infrastrutture di supporto sofisticati, consentono a IMO di soddisfare tutte le vostre esigenze attuali e future di riduzione di costi di fornitori e amministrazione.

Key design features



Formed Rising Clamp

This mechanism, made of plated steel with high strength steel screw, allows for the conductor to be clamped securely using a high contact force. The product incorporates an integrated protection against self-loosening whereby, as the screw is tightened the upper overlap springs up and locks on to the upper screw thread. Movement, or variation in the conductor, either due to environmental vibrations or changes in temperature, are accommodated by the high contact force, or the elasticity in the formed clamp mechanism.



Contact Faces and Surfaces

Rising clamp style terminal blocks incorporate face milling to facilitate multiple point contact along the wire surface therefore, reducing contact resistance and, in conjunction with the high contact force, large corrosion free areas of conductor contact are found when the product is subject to hostile atmospheres. Improved retention force of the conductor is also an advantage of this clamp style.

Steel Inserts

Where the market requires high contact forces, particularly in the IMO plug and socket style ranges, which may be connected and disconnected a number of times during their working life; plated steel wire cages and screws are used as these give high rigidity, and are less prone to deformation whilst in-field service, when compared with similar style inserts made in copper or brass. IMO incorporate Zinc plating of the steel elements as experience of Terminal Block usage in outside climate conditions, has verified the use of this element as offering quality surface protection.

Screw Types

IMO terminal blocks can include the +/- screws as standard to allow for in-field service.

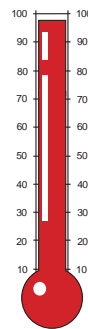
Finger Protection from Screws

Safe usage is always of paramount importance and it is recommended that connectors, terminals and wiring must not be connected or disconnected in live circuits however, this can never be guaranteed therefore, in order to reduce possible occurrence of shock, IMO Terminal Blocks are designed to reduce, or eliminate, direct contact with the operational elements of the product. Screws, when undone, are either captive and cannot be removed from the terminal; or remain well below the surface of the terminal block housing thus preventing direct contact.

Identification

IMO Terminal Blocks can facilitate identification using a number of options that include:

- 1Coding Pin Arrangements
- 1Direct Printing on Block
- 1Labels for Application to Block
- 1Various Material Colours



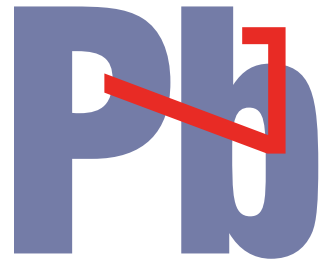
High Temperature Plastics

As manufacturing trends in Printed Circuit Boards (PCBs) have increasingly included Surface Mount Technology (SMT), connector manufacturers have faced increasing challenges due to the size and functionality of their products. Although the majority of IMO Terminal Blocks are mounted as a secondary process using either wave soldering or hand solder, IMO have a product that is suitable for Through Hole PCBs using reflow production techniques and the elevated temperatures that environment involves.

EU Directives which lead to the phase in of lead-free solder will impact on the materials used, since the new solder pastes are expected to enter their liquid phase 30 °C higher than current lead based solders, and the IMO Terminal Blocks using this high temperature plastic material should be appropriate for these types of processes.

Lead-Free

The IMO Terminal Block range (M) is lead free in line with impending EU Directives.



Continuous Development

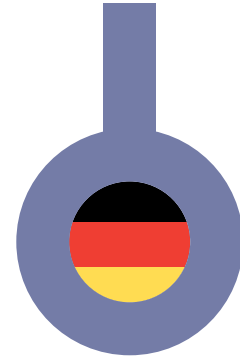
IMO Precision Controls employs a policy of continuous review of manufacturing and development of our product range, and therefore IMO reserve the right to make alterations to our products in line with technical advances and industry standards. Whilst every endeavour is made to ensure that customers are kept up to date with the improvements that IMO introduce, if you have any questions reference should be made to your local office for clarification.

Approvals

The IMO range of Terminal Blocks, depending upon series, are able to comply with all the major requirements of the relevant international standards.

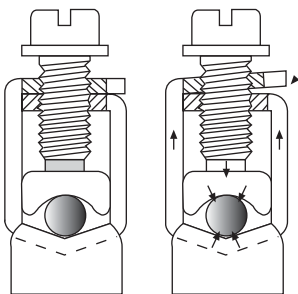


Die wichtigsten Designeigenschaften



Geformte Steigende Klammer

Dieser Mechanismus, hergestellt aus galvanisiertem Stahl mit hochstarken Stahlschrauben, macht es möglich, dass der Leiter durch den Gebrauch von einer hohen Kontaktkraft sicher eingeklammert werden kann. Dieses Produkt schliesst einen integrierten Schutz gegen Selbstlösung ein wobei die obere Hälfte aufspringt und sich auf den oberen Schraubendraht aufschliesst, während die Schraube befestigt wird. Bewegungen oder Veränderungen in dem Leiter, entweder durch Umgebungsvibrationen oder Veränderungen in der Temperatur, werden durch die hohe Kontaktkraft oder durch die Elastizität in dem geformten Klammermechanismus aufgenommen.



Kontaktstirn und -oberflächen

Klemmleisten mit steigenden Klammermechanismen enthalten Stirnfräsen um multiple Kontaktpunkte entlang der Drahtoberfläche dazubieten. Dies bedeutet, dass reduzierter Kontaktwiderstand und, wegen einer hohen Kontaktkraft, grosse korrosionsfreie Oberflächen an den Leiterkontakten vorgefunden werden, wenn das Produkt an unfreundlichen Atmosphären ausgesetzt werden.

Stahleinlagen

Wo im Markt hohe Kontaktkräfte erfordert werden, besonders in der IMO Stecker- und Sockelstil Produktreihe, die während ihrer Lebensdauer mehrere Male verbunden und getrennt werden könnte, werden verstärkte Drahtkäfige und Schrauben benutzt, weil diese eine hohe Unnachgiebigkeit bieten und weniger dazu neigen, sich zu verformen wenn sie eingesetzt werden, verglichen zu Einlagen mit ähnlichem Stil, die aber aus Kupfer oder Messing hergestellt sind.

Schraubtypen

IMO Klemmleisten können +/- Schrauben als Standard einschliessen um den Einsatz im Gebrauchsfeld zu ermöglichen.

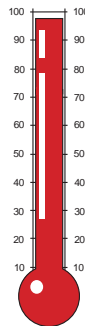
Fingerschutz von den Schrauben

Der sichere Gebrauch ist von höchster Wichtigkeit und es wird immer empfohlen, dass Verbinder, Klemmleisten und Drähte nicht in spannungsgeladenen Stromkreisen verbunden oder getrennt werden. Das dies nicht geschieht, kann jedoch niemals garantiert werden und deshalb sind IMO Klemmleisten so entworfen, dass sie den direkten Kontakt mit dem operativen Elementen in dem Produkt reduzieren oder ganz ausschliessen um die Möglichkeit, dass sich ein Schock ereignet, zu reduzieren. Schrauben, wenn sie gelockert werden, sind entweder unverlierbar oder können nicht von der Klemmleiste entfernt werden, oder sie bleiben weit unter der Oberfläche von dem Klemmleistengehäuse und verhindern deshalb einen direkten Kontakt.

Identifizierung

IMO Klemmleisten bieten die folgenden Möglichkeiten zur Identifizierung:

- 1 Anordnung von Kodierstiften
- 1 Direktes Aufdrucken auf die Klemme
- 1 Markieretikette zur Anwendung auf den Klemmen
- 1 Eine Anzahl verschiedener Materialfarben



Hohe Temperatur Plastiken

Sowie Trends in der Herstellung von Printed Circuit Boards (PCBs) mehr und mehr Surface Mount Technology (SMT) einschliessen, sind Hersteller wegen der Grösse und Funktionalität ihrer Produkte immer mehr Herausforderungen ausgesetzt. Obwohl die Mehrheit der IMO Klemmleisten in einem sekundären Prozess durch Schwallbadnloten oder Handloten montiert werden, bietet IMO ein Produkt, das für Durchgangslot PCB's geeignet ist und Fließlotproduktionstechniken und die erhöhten Temperaturen, die diese Umgebung hervorruft, gebraucht. Bevorstehende EU Direktiven, welche zu der Einphasierung von bleifreien Lötungen führen, werden das Material, das eingesetzt wird, beeinflussen, weil erwartet wird, dass die Temperatur, bei der die neuen Lötpasten flüssig werden, 30° höher liegt als bei den bleibasierten Lötungen, die zur Zeit eingesetzt werden. Die IMO Klemmleisten, bei denen dieses Hochtemperaturplastik eingesetzt wird, sollten sich für diese Art von Prozessen eignen.

Bleifrei

Die IMO Produktreihe von Klemmleisten (M) ist bleifrei entsprechend der bevorstehenden EU Direktiven.

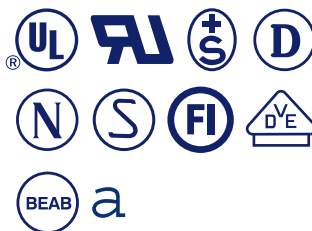


Ständige Entwicklung

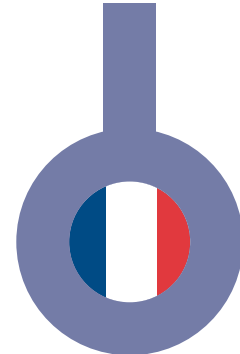
IMO Precision Controls Ltd setzt eine Politik der ständigen Überprüfung der Herstellung und Entwicklung von unserer Produktreihe ein, und deshalb behält IMO sich das Recht vor um Änderungen an unseren Produkten vorzunehmen, die den technischen Fortschritte und Industriestandards entsprechen. Während alle Schritte unternommen werden um zu versichern, dass Kunden auf dem Laufenden gehalten werden was die Verbesserungen, die IMO vorstellt, angeht, können alle Fragen, die sich trotzdem ergeben, an unser Büro in London gerichtet werden.

Zulassungen

Die IMO Klemmleistenproduktreihe entspricht, abhängig von der Serie, allen wichtigen Anforderungen der relevanten internationalen Standarde.

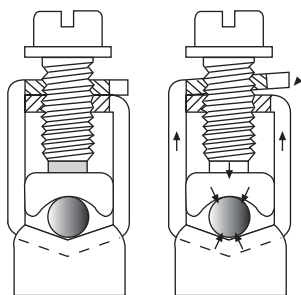


Caractéristiques principales de la conception



Le système à cosse montante formée

Ce mécanisme est réalisé en acier de haute résistance, il en va de même pour la vis de serrage. Ceci permet un blocage sûr des conducteurs, garantissant l'application d'une force importante sur le contact. Le produit incorpore une protection intrinsèque contre l'éloignement de la vis, lorsque la vis est serrée la pression résultante tire à part les deux moitiés de la pièce de verrouillage, assurant une immobilisation très efficace de la vis. Les mouvements ou variations du conducteur, dus soit aux vibrations environnementales ou aux changements de températures, sont contenus par la force de contact élevée et l'élasticité de ce même mécanisme de serrage.



Les surfaces de contact

L'efficacité et la force de serrage élevée du système de serrage mentionné ci-dessus, équipé d'une barre de courant qui garantit une ample surface de contact avec l'ensemble du conducteur, permet de réduire au minimum la résistance électrique de la connexion. Ceci assure de pouvoir utiliser les produits même dans les atmosphères hostiles car cela laisse une large zone de contact avec le conducteur non attaquée par la corrosion.

Les inserts en acier

Là où le marché requière des forces de contact élevées, particulièrement dans la gamme IMO de style de connexion de prises mâles sur prises femelles, qui peut être connecter et déconnecter un grand nombre de fois au cours de leur durée de vie, des cages à fils et des vis en acier sont utilisées du fait qu'elle sont d'une haute rigidité et moins susceptibles de souffrir des déformations durant leur service, surtout lorsqu'on les compare avec des styles d'inserts similaires mais en cuivre ou en laiton. IMO incorpore un plaquage en zinc des éléments en acier, car l'expérience de l'utilisation des bornes de connexions en extérieur à montrer que cet élément apporte une qualité supplémentaire à la protection de la surface.

Les types de vis

Les bornes IMO incluent comme standard aussi bien les vis normales que les vis cruciformes pour répondre à l'ensemble des exigences du service sur le terrain.

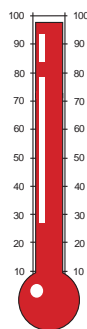
La protection contre les contacts accidentels avec les vis

Une utilisation sûre et sans danger est toujours d'une importance primordiale et il est recommandé que les bornes et les câbles ne soient pas connectés et déconnectés lorsque le circuit est traversé par un courant, cependant, ceci ne pouvant jamais être garanti, pour réduire les possibilités de production de chocs, les bornes de jonctions IMO ont été développées pour réduire ou éliminer le contact direct avec les éléments opérationnels du produit. Les vis, lorsqu'elles ne sont pas serrées, sont soit captives et ne peuvent pas être retirées de la borne, soit elles restent en dessous de la surface de l'enveloppe isolante de la borne de jonction, prévenant ainsi tout contact direct.

L'identification

Les bornes de jonction IMO peuvent permettre une identification facile en utilisant un certain nombre d'options qui incluent :

- 1 L'agencement des pions de codage
- 1 L'impression directe de numéros d'identification sur la borne
- 1 Des étiquettes à poser sur la borne
- 1 Des matériaux disponibles en différentes couleurs



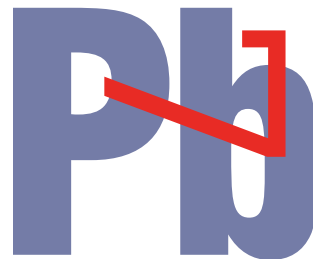
Des plastiques résistants à des températures élevées

Comme la tendance pour la fabrication des circuits imprimés va vers l'incorporation de plus en plus de Technologie de Montage Superficielle (TMS), les entreprises fabricant des connecteurs ont fait face à des défis croissants dus à la taille et à la fonctionnalité de leurs produits. Bien que la majorité des bornes de jonction IMO soient montées lors d'un processus secondaire utilisant la soudure à vague ou à la main, IMO propose un produit qui convient pour l'insertion dans les trous des circuits imprimés en utilisant les techniques de production par refusion et ce aux températures élevées que cet environnement implique. Par ailleurs, de prochaines Directives Européennes prévoient l'élimination du plomb de tous les procédés de soudure. Sans cet élément, le composé pour soudure ne passera à l'état liquide qu'à une température supérieure de 30°C à celle actuelle.

Une telle situation rendra indispensable l'utilisation d'éléments avec des parties en plastique résistantes à des températures élevées, exactement comme ceux qu'IMO est déjà capable d'offrir.

Des produits sans plomb

La gamme IMO de bornes de jonction ne contient pas de plomb conformément aux Directives Européennes imminentes.



Le développement continu

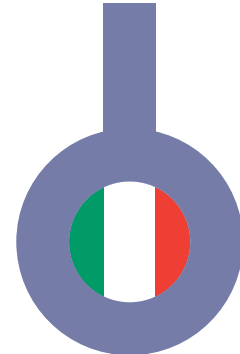
IMO Precision Controls a une politique de révision continue de la fabrication et du développement de sa gamme de produit, c'est pourquoi IMO se réserve le droit d'apporter des modifications aux produits en fonction des différentes avancées techniques et des standards industriels. Même si tous les efforts possibles sont faits pour s'assurer que les clients soient maintenu au courant de toutes les améliorations qu'IMO introduit, si vous avez quelques questions que ce soient, n'hésitez pas à en référer à votre agence locale pour clarification.

Les homologations

La gamme IMO de borne de jonctions, selon les séries, est capable de respecter toutes les caractéristiques majeures requises par les normes internationales.

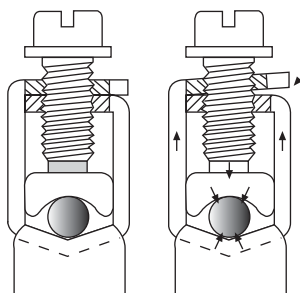


Caratteristiche principali del progetto



Sistema di serraggio a carrello

Questo meccanismo, è realizzato in acciaio ad alta resistenza meccanica, così come la relativa vite di fissaggio. Tale sistema consente di ottenere un sicuro bloccaggio dei conduttori, garantendo l'applicazione di un'elevata forza di contatto. Il prodotto integra altresì, un efficacissimo sistema di protezione contro l'allentamento della vite. Tale caratteristica è proprio offerta dalla forma e dal materiale con cui quest'elemento è realizzato. Possiamo pertanto affermare che ad ogni tipo di movimento o assestamento del conduttore, cambio di temperatura o vibrazioni presenti sulla scheda, il sistema risponde assicurando sempre una costante forza di contatto, ottenuta unicamente dal sistema a gabbia elastica in acciaio.



Superficie di contatto

L'efficacia e l'alta forza di serraggio del sistema sopra menzionato, affiancata da una barra di corrente che garantisce un'ampia superficie di contatto su tutto il conduttore, consente di ridurre veramente al minimo la resistenza elettrica della connessione. Questo assicura la possibilità di poter utilizzare i prodotti anche in aree molto esposte a composti inquinanti e corrosivi. In ogni caso la superficie di contatto sarà sempre perfettamente efficiente. Possiamo aggiungere infine che la particolare forma della superficie di contatto, unita all'alta forza di serraggio determinano anche un'elevata forza di ritenzione del cavo, preservandone nel tempo l'efficacia, anche nel caso di cavi soggetti a particolari forze di trazione.

Inseriti d'acciaio

Vogliamo ancora una volta porre l'accento, sul com'è importante poter avere elementi capaci di essere connessi o disconnessi molte volte durante il proprio ciclo d'utilizzo. E' proprio per tale motivo, che il progetto si è ispirato a sistemi che comprendono materiali come l'acciaio, che offra assieme ad alte rigidità e resistenza, anche un'elevata elasticità quando richiesta. Tale criterio ha pertanto escluso l'impiego di altri materiali pure validi, ma non adatti allo scopo come ad esempio il bronzo, il rame, o l'ottone. Per migliorare la tenuta del metallo agli agenti ambientali ed a possibili graffi, la superficie della staffa è poi rivestita di speciali trattamenti a base di zinco, atti a garantirne l'aspetto ed il funzionamento nel tempo.

Tipi di vite

I morsetti IMO, possono includere sia viti a taglio che a croce, secondo quanto richiesto dalle esigenze di servizio sul campo.

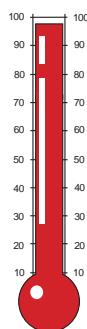
Protezione contro i contatti accidentali con le viti

Questa caratteristica è imprescindibile su tali prodotti, pur considerando che è buona norma non connettere o disconnettere i conduttori, quando questi sono percorsi da una qualsiasi corrente. Il morsetto IMO in ogni caso assolve lo scopo di prevenire tali contatti accidentali, in quanto la vite è ben sotto il piano isolato esterno, e le parti in metallo sono adeguatamente protette.

Elementi identificativi dei prodotti

Per facilitare l'identificazione dei vari morsetti o connettori, IMO offre le seguenti varie scelte costruttive:

- 1 Codifica per numero di contatti;
- 1 Stampa dei codici identificativi o numerazioni direttamente sui morsetti;
- 1 Etichette da applicare direttamente sui morsetti;
- 1 Materiali disponibili in varie colorazioni.



Plastiche per alte temperature

Assistiamo ad un trend di mercato, che sta spingendo le Aziende manifatturiere impegnate nella produzione di schede elettroniche, ad accrescere sempre di più l'uso di tecniche a montaggio superficiale (SMT), ed in questo senso tutte le aziende che producono parti come i connettori, si stanno dando un gran daffare per soddisfare al meglio tal esigenza. Sebbene la maggior parte dei morsetti IMO sia montata durante i processi secondari, previo l'utilizzo di processi di saldatura ad onda o manuale, IMO ha già un prodotto capace di poter essere inserito in un processo di reflow ad alta temperatura. Tale esigenza deriva anche da una precisa direttiva della Comunità Europea, che prevede l'eliminazione del piombo da tutti i processi di saldatura. Senza quest'elemento, il composto saldante passerà allo stato liquido ad una temperatura di 30 °C superiore a quello attuale.

Tale situazione, renderà indispensabile l'utilizzo di elementi con parti plastiche resistenti alle alte temperature, proprio come quelli che IMO è già in grado di offrire.

Prodotti senza Piombo

Tutti i morsetti IMO non contengono piombo, in linea con le direttive previste dalla UE.



Nuovi progetti

I tecnici della IMO Precision Controls sono costantemente impegnati nell'apportare continue modifiche ai processi di produzione, allo sviluppo di nuovi prodotti e pertanto IMO si riserva di apportare modifiche e miglioramenti alla propria gamma per essere sempre in anticipo rispetto a quelle che sono le esigenze dei moderni standard industriali.

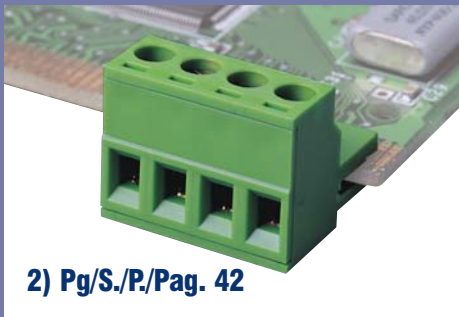
Approvazioni Internazionali

IMO Precision Controls è in grado di rispondere a tutti i requisiti tecnici previsti dai maggiori enti di normalizzazione internazionali.





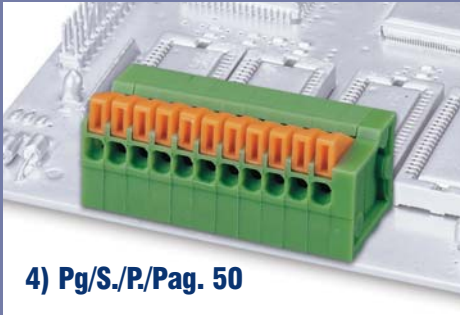
1) Pg/S./P./Pag. 37



2) Pg/S./P./Pag. 42



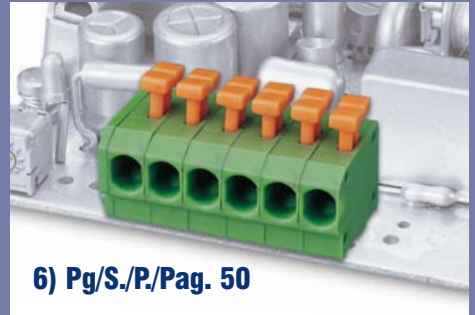
3) Pg/S./P./Pag. 50



4) Pg/S./P./Pag. 50



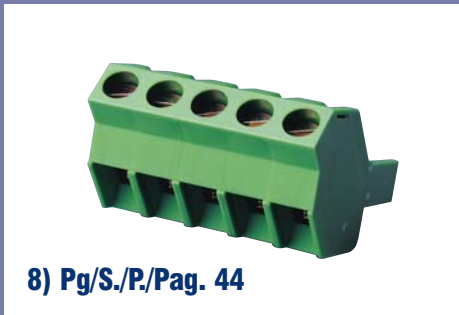
5) Pg/S./P./Pag. 44



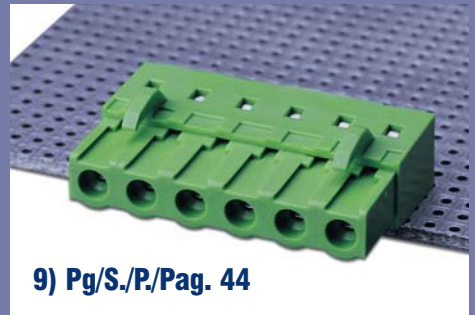
6) Pg/S./P./Pag. 50



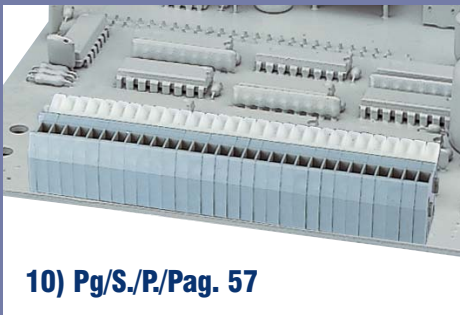
7) Pg/S./P./Pag. 55



8) Pg/S./P./Pag. 44



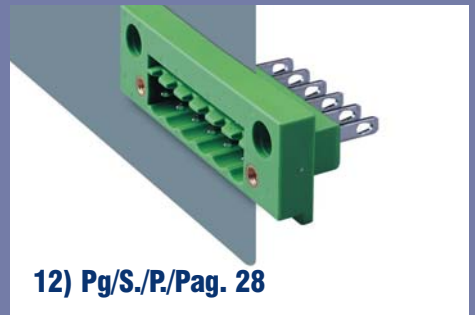
9) Pg/S./P./Pag. 44



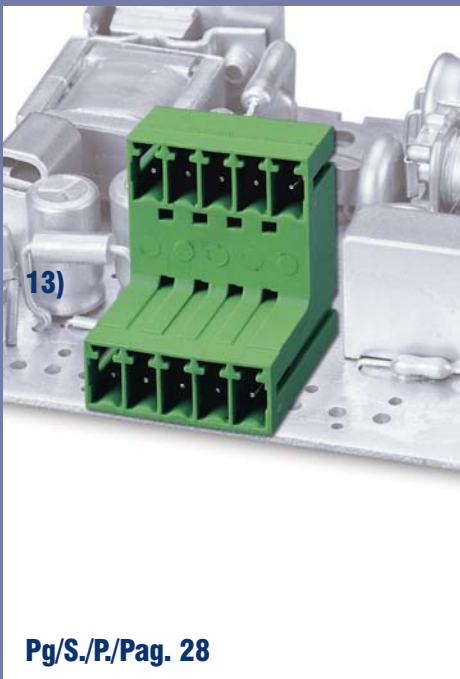
10) Pg/S./P./Pag. 57



11) Pg/S./P./Pag. 60



12) Pg/S./P./Pag. 28

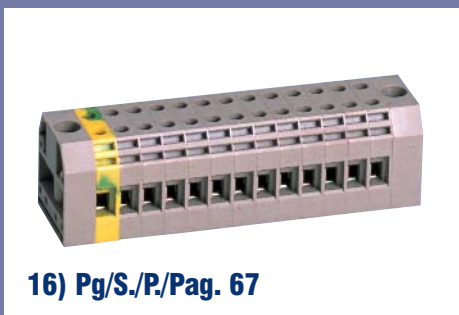


13)

Pg/S./P./Pag. 28



14) Pg/S./P./Pag. 30



16) Pg/S./P./Pag. 67



15)

Pg/S./P./Pag. 63



new



neu



nouveau



nuova

1 High Temperature Terminal Blocks

- 1To suit modern reflow production techniques
- 1Reduces manufacturing time and cost

1 Hochtemperatur-Klemmleisten

- 1Passend zu modernen Rückflussproduktionstechniken
- 1Reduziert Herstellungszeit und -kosten

1 Borniers pour haute température

- 1Pour convenir aux techniques modernes de soudure par refusions
- 1Réduit le temps et le coût de fabrication

1 Morsetti per alte temperature

- 1Per soddisfare le moderne tecniche di saldatura
- 1Riduzione dei tempi e dei costi di produzione

2 PCB Edge Connection Terminal Blocks

- 1Simplest possible connection to PCB's
- 1Rising cage clamp for excellent stability

2 PCB-Klemmleisten

- 1Einfachster möglicher Anschluss zu PCB's
- 1Anschlussklemmen für steigende Gehäuse für ausgezeichnete Stabilität

2 Bornes avec la prise de connexion au bord du circuit imprimé

- 1Connexion la plus facile et la plus simple aux circuits imprimés
- 1Borniers à cage d'ascenseur (cage clamp) pour une excellente stabilité

2 Morsetti per la connessione al bordo del circuito stampato

- 1La più semplice connessione ad un circuito stampato
- 1Tecnica di fissaggio a molla, per una migliore stabilità

3 Smallest Possible Pin Pitch Push Fit Terminal Blocks

- 12.54mm Pitch Horizontal & Vertical
- 1Also available in 5.08 & 7.62mm Pitch for increased Isolation, Creepage & Clearance

3 Federdruckklemmleisten mit dem kleinstmöglichen Stiftabstand

- 12,54mm Abstand horizontal und vertikal
- 1Auch erhältlich in 5,08 und 7,62mm Abstand für erhöhte Isolierung, Kriechstrom und Zwischenraum

3 Borniers à entr'axe minimum

- 1Distance de 2,54 mm horizontales et verticales
- 1Disponible pour des ent'axes de 5,08 et 7,62 mm pour une meilleure isolation

3 La gamma a pressione con il più piccolo passo disponibile

- 1Passo da 2,54 mm sia in orizzontale che verticale
- 1Disponibile anche con passo 5,08 e 7,62 pe migliorare le capacità d'isolamento

4 2.54mm Pitch Push Fit Terminal Blocks

- 1Horizontal and Vertical cable entry
- 1Also available with 5.08 and 7.6mm Pitch for increased Isolation, Creepage and Clearance

4 Federdruckklemmleisten mit 2,54mm Abstand

- 1Horizontaler und vertikaler Kabeleingang
- 1Auch erhältlich mit 5,08 und 7,6mm Abstand, für erhöhte Isolierung, Kriechstrom und Zwischenraum

4 Borniers à entr'axe de 2,54 mm

- 1Entrée de câble horizontal et vertical
- 1Disponibilité avec une distance de 5,08 et 7,6 mm, pour l'isolation augmentée, ligne de fuite et distance d'isolement

4 Terminali con innesto a pressione con passo da 2,54 mm

- 1Ingresso cavo sia orizzontale che verticale
- 1Disponibile anche con passo 5,08 e 7,62 per migliorare le capacità d'isolamento.

5 High Power Pluggable and Fixed Terminals

- 1Up to 57A Current carrying capability
- 1Up to 750V Rating
- 1Up to 10mm² Wire

5 Hochkraft steckbare und befestigte

- 1Bis zu 57 A stromführende Fähigkeit
- 1Bis zu 750V Nennleistung
- 1Bis zu 10mm² Draht

5 Borniers haute puissanceenfichables

- 1Capacité de la portée du courant jusqu'à 57a
- 1Puissance nominale jusqu'à 750V
- 1Câble jusqu'à 10mm²

5 Morsetti e connettori per alte potenze

- 1Per correnti oltre fino a 57 A
- 1Tensioni fino a 750 V
- 1Serraggio di conduttori fino a 10mm²

6 3.96mm and 3.81mm Pitch Push Fit Terminal Blocks

- 1Voltage rating up to 300V

6 Federdruckklemmleisten mit 3,96mm und 3,81mm Abstand

- 1Nennspannung erhöht 300V

6 Borniers à entr'axe de 3,96 et 3,81 mm

- 1Tensions nominals augmentées 300V

6 Morsetti da 3,96 mm e 3,81 mm con fissaggio a pressione

- 1Tensione d'esercizio aumentata 300V

7 2.54mm Pitch 45° Cable Entry Screwless Terminal Blocks

- 1Voltage rating up to 300V

7 Federdruckklemmleisten mit 2,54mm Abstand und 45° Kabeleingang

- 1Nennspannung erhöht 300V

7 Borniers à entr'axe de 2,54 mm et entrée de câble à 45°

- 1Tensions nominals augmentées 300V

7 Morsetti a pressione con passo 2,54 mm ed ingresso cavi A 45°

- 1Tensione d'esercizio aumentata 300V

8 45° Cable Entry Plug

- 1For angled Cable Entry

8 45° Kabeleingangsstecker

- 1Für einen angewinkelten Kabeleingang

8 Entrée de câble à 45°

- 1Pour l'entrée du câble à un angle

8 Connettori maschi con ingresso cavo a 45°

- 1Per ingresso cavi angolato

9 PCB Mounting Plugs

- 1Vertical and Horizontal Mounting
- 1Suitable for Mounting PCB Daughter Boards
- 1Suitable for Panel Mounting Applications

9 PCB-Befestigungsstecker

- 1Vertikale und horizontale Befestigung
- 1Geeignet zur Befestigung an Tochter-PCB
- 1Geeignet zur Befestigung bei Schalttafelanwendungen

9 Prise de circuits imprimés

- 1Montage vertical et horizontal
- 1Convenable pour le montage de plaquettes de circuits imprimés filles
- 1Convenable pour l'application de montage de panneaux

9 Connettori a pettine da circuito stampato

- 1Montaggio orizzontale e Verticale
- 1Utilizzabile per la connessione sovrapposta di più schede idonei per applicazioni con montaggio a pannello

10 Slim line 2.5mm (2.54mm) Pitch Vertical Entry Screwless Terminals

- 1Reduced PCB Boards area

10 Federdruckklemmleisten mit vertikalem Eingang und Dünmlinienabstand 2,5mm (2,54mm)

- 1Reduzierte PCB-Plattenoberfläche

10 Borniers compacts à entr'axe de 2,5 mm (2,54 mm)

- 1Réduit la superficie du circuit imprimé

10 Terminali con innesto a pressione in versione compatta con passo da 2,5 mm (2,54 mm)

- 1Riducono gli ingombri sul circuito stampato

11 2 to 4 Tier Stacking Screwless Terminals

11 Auf 2 bis 4 Ebenen gestapelte Federdruckklemmen

11 Borniers de 2 à 4 étages

11 Morsetti a pressione con disposizione da 2 a 4 file

12 Professional Range or Pluggable Terminals expands to include Panel Mounting Blocks

12 Professionelle Reihe von steckbaren Klemmleisten wird expandiert um Schaltschrankbefestigungsstecker mit einzuschliessen

12 Série professionnelle de borniers enfichables pour montage en armoire

12 Una gamma di morsetti professionale che include connettori per il montaggio a pannello

13 3.5mm (3.81 mm) Pitch Plugs, multi-tier Sockets, Dual Entry Plugs (Horizontal and Vertical) Push Fit Sockets

13 Stecker mit 3,5mm (3,81mm) Abstand, Multi-Ebenenstecker, Schaltschrankstecker, Doppelseingangsstecker (horizontal und vertikal) Federdrucksockel

13 Connecteurs à entr'axe 3,5 mm (3,81 mm) connecteurs à étages, connecteurs pour armoire, connecteurs à double entrée (horizontale et verticale), socle à ressort

13 Connettori maschi con passo da 3,5 mm (3,81 mm), connettori maschi multi piano, connettori maschi a pannello, connettori maschi a doppio ingresso (orizzontale e verticali), connettori femmina a pressione

14 5.0mm (5.08 mm) Piggy back headers

14 5,0mm (5,08mm) Huckepackvorsatz

14 Epingle à ferroutage 5,0 (5,08 mm)

14 5,08 mm presa per connettore a due piani

15 PCB Carriers

15 PCB Träger

15 Support pour Circuits Imprimés

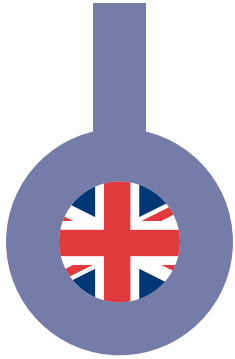
15 Supporti per circuiti stampati

16 Panel Mounting Terminal Blocks

16 Reihe ERMB

16 Série ERMB

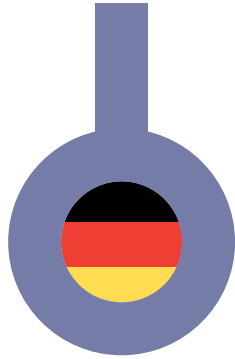
16 Serie ERMB



The IMO Standard wire protector terminal block types 100 and 500 are simple structure PCB type connectors. Models are available with round pins or square solder pins, from 3.50mm and 3.81mm, to 15mm pitches whilst offering the option of 90°, 135°, and 180° wire insertion directions.

The majority of types are available as basic units of 2-pole and 3-pole which allow combining together for any required pole length. The IMO 102 series is only available as a single moulding in fixed pole lengths however, this unit provides the largest wire capacity of this range, that being 4mm².

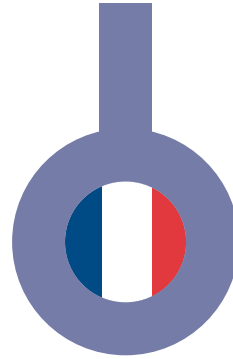
This product type generally provides the most economical way of using a PCB terminal block and as such is extremely suitable for use in security, lighting and general electronic industries.



Die IMO Klemmleisten 100 und 500 aus der "Standard" Reihe sind unkomplizierte Platinensteckverbinder. Es sind Ausführungen mit Vierkant- oder Rundstift in den Rasterabständen 3,50mm; 3,81mm; 5,00mm; 5,08mm und 10mm erhältlich Kabeleinführung 90°, 135° und 180°.

Größtenteils sind diese Klemmleisten in 2- und 3-poliger Ausführung lieferbar und können so zu verschiedenen Längen kombiniert werden. Lediglich die Reihe IMO 102 ist ausschließlich als Einzelstück mit fester Länge erhältlich, kann dafür aber Adernquerschnitte bis zu 4mm² aufnehmen.

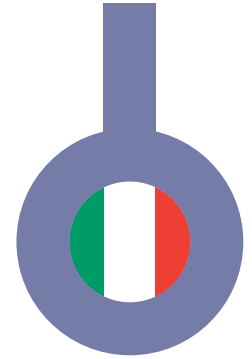
Dieses Produkt ist auf Wirtschaftlichkeit bei der Verwendungen von Platinen-Klemmleisten ausgelegt und eignet sich daher für Sicherheitsanwendungen, Beleuchtung und die Elektronikindustrie allgemein.



Les borniers à haute protection de fils types 100 et 500 de la série IMO Standard sont des connecteurs pour circuits imprimés de structure simple. Il existe différents modèles à bornes rondes ou carrées à souder avec pas de 3,50 mm, 3,81 mm, 5 mm, 5,08 mm et 10 mm avec entrée de câble à 90°, 135°, et 180°.

La plupart des borniers existent en version bi- ou tripolaire et peuvent se combiner pour obtenir n'importe quelle longueur. La série IMO 102 existe en une seule longueur fixe, mais elle peut accepter les plus gros câbles dans cette gamme, c'est-à-dire 4 mm².

Ce type de produit est généralement le moyen le plus économique d'utiliser un bornier de circuit imprimé et il convient donc particulièrement bien aux industries de la sécurité, de l'éclairage et électronique.



Le morsettiere IMO Standard, con protezione conduttore delle serie 100 e 500 sono connettori a struttura semplice per montaggio su circuito stampato. Sono disponibili, modelli con pin a sezione circolare o quadrata, nei passi 3,50 mm; 3,81 mm; 5,00 mm; 5,08 mm; e 10 mm, con ingresso conduttore a 90°, 135° e 180°.

La maggior parte dei modelli, sono disponibili in versioni a 2 e 3 poli e possono essere liberamente abbinati per ottenere il numero di poli desiderato. La serie IMO 102 è disponibile unicamente in modelli monoblocco con numero di poli fisso. Tuttavia, questa serie consente il collegamento dei conduttori di maggior sezione (4 mm²) di tutta la gamma.

Questo tipo di prodotto, rappresenta generalmente la soluzione più economica per l'utilizzo di morsetti su circuito stampato, ed è pertanto ideale per l'utilizzo in applicazioni di sicurezza, illuminazione ed elettronica generale.

Standard PCB Terminal Blocks

Standard PCB Klemmleisten

Borniers Standards pour Circuits Imprimés

Morsetti da circuito stampato standard



Standard PCB Terminal Blocks



Pitch

Höhe

Pas

Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire size	Drahtbereich	Diamètre des fils	Tipi di cavo
Wire range (AWG)	Geeignet	Gamme des fils	Idoneo
Insulation withstand voltage	Isolierungsspannungsfestigkeit	Tension d'isolement	Tensione di tenuta d'isolamento
Insulation resistance	Isolierungswiderstand	Résistance d'isolement	Resistenza d' isolamento
Torque (Nm)	Drehmoment	Couple	Coppia
Temperature range	Temperaturbereich	Plage de température	Gamma di temperature
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.550M		21.550M		20.650M	
Υ		Υ		Υ	
3.5mm (3.81mm)		7.00mm		7.00mm	
UL	IEC	UL	IEC	UL	IEC
150V	130V	300V	450V	6A	13.5A
6A	13.5A	6A	13.5A	6A	13.5A
1mm ²		1mm ²		1mm ²	
16-24		16-24		16-24	
AC15000V/MIN		AC15000V/MIN		AC15000V/MIN	
1000M•at 500V		1000M•at 500V		1000M•at 500V	
0.2		0.2		0.2	
-40° +105 °C		-40° +105 °C		-40° +105 °C	
5-6mm		5-6mm		5-6mm	
20.550M/2	(21.550M/2)	20.650M/2			
20.550M/24	(21.550M/24)	20.650M/24			



Pitch

Höhe

Pas

Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire size	Drahtbereich	Diamètre des fils	Tipi di cavo
Wire range (AWG)	Geeignet	Gamme des fils	Idoneo
Insulation withstand voltage	Isolierungsspannungsfestigkeit	Tension d'isolement	Tensione di tenuta d'isolamento
Insulation resistance	Isolierungswiderstand	Résistance d'isolement	Resistenza d' isolamento
Torque (Nm)	Drehmoment	Couple	Coppia
Temperature range	Temperaturbereich	Plage de température	Gamma di temperature
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.101M		20.100M		21.100M	
Υ		Υ		Υ	
5.00mm		5.00mm		5.00mm (5.08mm)	
UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V
16A	24A	16A	24A	16A	24A
2.5mm ²		2.5mm ²		2.5mm ²	
12-22		12-22		12-22	
AC1000V/MIN		AC1000V/MIN		AC1000V/MIN	
1000M•at 500V		1000M•at 500V		1000M•at 500V	
0.5		0.5		0.5	
-40° +105 °C		-40° +105 °C		-40° +105 °C	
6-7mm		6-7mm		6-7mm	
20.101M/2		20.100M/2	(21.100M/2)		
20.101M/24		20.100M/24	(21.100M/24)		

20.501M		20.500M	21.500M	20.600M	21.600M	20.505M	21.505M	20.605M	21.605M
5.00mm		5.00mm (5.08mm)		10.00mm (10.16mm)		5.00mm (5.08mm)		10.00mm (10.16mm)	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	350V	300V	350V	300V	750V	300V	250V	300V	750V
16A	17.5A	16A	17.5A	16A	17.5A	16A	17.5A	16A	17.5A
1.5mm ²		1.5mm ²		1.5mm ²		1.5mm ²		1.5mm ²	
14-20		14-20		14-20		14-20		14-20	
AC1000V/MIN		AC1000V/MIN		AC1000V/MIN		AC1000V/MIN		AC1000V/MIN	
1000M•at 500V		1000M•at 500V		1000M•at 500V		1000M•at 500V		1000M•at 500V	
0.4		0.4		0.4		0.4		0.4	
-40° +105° C		-40° +105° C		-40° +105° C		-40° +105° C		-40° +105° C	
5-6mm		5-6mm		5-6mm		5-6mm		5-6mm	
20.501M/2		20.500M/2 (21.500M/2)		20.600M/2 (21.600M/2)		20.505M/2 (21.505M/2)		20.605M/2 (21.605M/2)	
20.501M/24		20.500M/24 (21.500M/24)		20.600M/24 (21.600M/24)		20.505M/24 (21.505M/24)		20.605M/24 (21.605M/24)	

20.200M	21.200M	20.105M	21.105M	20.205M	21.205M	20.110M	20.210M		
								Picture not available	
10.00mm (10.16mm)		5.00mm (5.08mm)		10.00mm (10.16mm)		7.50mm		15.00mm	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	750V	300V	750V	300V	750V	300V	380V	300V	380V
16A	24A	16A	24A	16A	24A	16A	16A	16A	16A
2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²	
12-22		12-22		12-22		22-12		22-12	
AC1000V/MIN		AC1000V/MIN		AC1000V/MIN		AC1000V/MIN		AC1000V/MIN	
1000M•at 500V		1000M•at 500V		1000M•at 500V		1000M•at 500V		1000M•at 500V	
0.5		0.5		0.5		0.5		0.5	
-40° +105° C		-40° +105° C		-40° +105° C		-40° +105° C		-40° +105° C	
6-7mm		6-7mm		6-7mm		6-7mm		6-7mm	
20.200M/2 (21.200M/2)		20.105M/2 (21.105M/2)		20.205M/2 (21.205M/2)		20.110M/2		20.210M/2	
20.200M/24 (21.200M/24)		20.105M/24 (21.105M/24)		20.205M/24 (21.205M/24)		20.110M/24		20.210M/24	

Standard PCB Terminal Blocks



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire size	Drahtbereich	Diamètre de fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteñtion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Plage de température	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.510M		20.514M	
3.50mm		3.50mm	
UL	IEC	UL	IEC
300V	130V	300V	130V
10A	10A	10A	10A
1.5mm ²		1.5mm ²	
24-16		24-16	
24-18		24-18	
1.6/1.25/2kV		1.6/1.25/2kV	
0.2		0.2	
M2		M2	
5-6mm		5-6mm	
20.510M/2		20.514M/2	
20.510M/24		20.514M24	

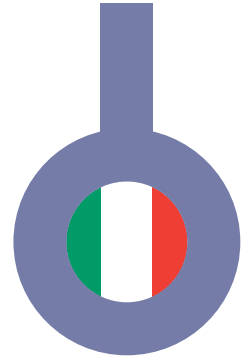
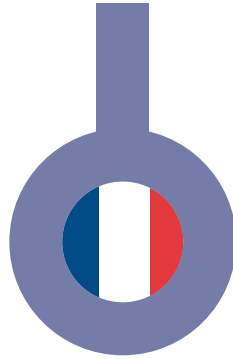
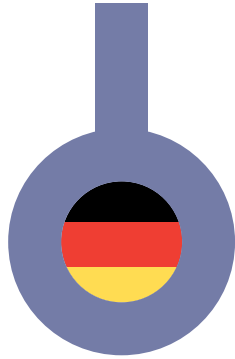
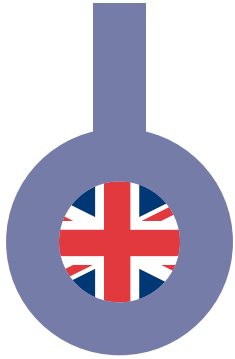


Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire size	Drahtbereich	Diamètre des fils	Tipi di cavo
Wire range (AWG)	Geeignet	Gamma des fils (AWG)	Idoneo
Insulation withstand voltage	Isolierungsspannungsfestigkeit	Tension d'isolement	Tensione di tenuta d'isolamento
Insulation resistance	Isolierungswiderstand	Resistance d'isolement	Resistenza d'isolamento
Torque (Nm)	Drehmoment	Couple	Coppia
Temperature range	Temperaturbereich	Plage de température	Gamma di temperature
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.300M		20.400M	
5.00mm		10.00mm	
UL	IEC	UL	IEC
300V	250V	300V	750V
16A	24A	16A	24A
2.5mm ²		2.5mm ²	
12-20		12-20	
AC1500V/MIN		AC1500V/MIN	
1000M•at 500V		1000M•at 500V	
0.4		0.4	
-40° + 105° C		-40° + 105° C	
6-7mm		6-7mm	
20.300M/2		20.400M/2	
20.300M/24		20.400M24	

20.511M		21.511M		20.102M		20.103M		20.104M	
 5.00mm (5.08mm)		 5.00mm (5.08mm)		 5.00mm		 7.50mm		 10.00mm	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	450V	300V	450V	600V	450V
16A	12A	16A	12A	12A	32A	12A	32A	12A	32A
2.5mm ²		2.5mm ²		4mm ²		4mm ²		4mm ²	
24-14		24-14		18-12		18-12		18-12	
24-14		24-14		18-12		18-12		18-12	
1.6/2/4kV		1.6/2/4kV		1.6/2.5/4kV		1.6/2.5/4kV		1.6/2.5/4kV	
0.4		0.4		0.3		0.3		0.3	
M2.5		M2.5		M3		M3		M3	
5-6mm		5-6mm		6-7mm		6-7mm		6-7mm	
20.511M/2	(21.511M/2)	20.515M/2	(21.515M/2)	20.102M/2SB		20.103M/2		20.104M/2	
20.511M/24	(21.511M/24)	20.515M/24	(21.515M/24)	20.102M/24SB		20.103M/12		20.104M/12	

20.130M		20.130M/PS		20.131M-HT		20.230M		20.230M/PS	
 5.00mm		 5.00mm		 5.00mm		 10.00mm		 10.00mm	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V	300V	750V	300V	750V
10A	17.5A	10A	17.5A	10A	10A	10A	17.5A	10A	17.5A
1.5mm ²		1.5mm ²				1.5mm ²			
14-20		14-20				14-20			
AC1500V/MIN		AC1500V/MIN				AC1500V/MIN			
1000M•at 500V		1000M•at 500V				1000M•at 500V			
0.4		0.4				0.4			
-40° +105° C		-40° +105° C				-40° +105° C			
6-7mm		6-7mm				6-7mm			
20.130M/2		20.130M/PS2		20.131M/PS2-HT		20.230M/2		20.230M/PS12	
20.130M/24		20.130M/PS24		20.131M/PS24-HT		20.230M/24			



The IMO Professional series of PCB type terminal blocks are designed with 3.5mm, 3.81mm, 5.00mm, 6.35mm, 7.50mm, 9.50mm, 10.00mm and 10.16mm pitches at 90°, 135° and 180° wire entry directions.

With the design of single level, two-level and three-level structures, the IMO Professional series offers options for your application.

The terminal blocks can accommodate various wire sizes from 28AWG to 6AWG whilst there is also a high power series that provides the designer with a high electrical capacity in a small space, for use in products such as power supplies and inverters.

The IMO Professional series uses a steel yoke as its fixture for the wire connection, and this enables the product to be maintenance free by offering an anti-vibration system preventing the wire from loosening whilst allowing for a large contact area and high reliability connection.

All of these series products conform to IEC 60998 and UL 1059 requirements and have obtained international approvals from bodies such as UL and VDE.

Most of the IMO Professional series are manufactured as standard in 2-pole and 3-pole versions, and using combinations of these two units, various lengths can be made. However, should the application require it, typically in mass production, IMO can supply the products in a single moulding, whilst at the same time we can also offer the service of printing and marking on the terminal blocks.

As the IMO Professional series uses a high reliability connection method, along with modern manufacturing techniques, this makes the product quality very stable and therefore suitable for industrial controls and information technology applications.

Die IMO Platinen-Klemmleisten aus der Reihe „Professional“ gibt es mit Rasterabständen von 3,5mm; 3,81mm; 5,00mm; 6,35mm; 7,50mm; 9,50mm; 10,00mm und 10,16 mm mit Kabeleinführungen in den Winkeln 90°, 135° und 180°.

Durch den möglichen Einbau auf 1, 2 oder 3 Ebenen bietet die IMO Modellreihe "Professional" viele Einsatzmöglichkeiten.

Diese Klemmleisten sind für Adernquerschnitte von 28AWG bis 6AWG geeignet. Zudem gibt es eine Ausführung, die trotz geringen Platzbedarfs für hohe Ströme und damit für Netzteile und Umrichter geeignet ist.

In der IMO Modellreihe „Professional“ kommen Stahlbügel für den Kabelanschluss zum Einsatz. Dadurch ist dieses Produkt wartungsfrei und verhindert ein Lösen des Kabels auch bei starken Vibrationen. So ergibt sich eine große Kontaktfläche mit hoher Zuverlässigkeit.

Die gesamte Modellreihe entspricht den Anforderungen von IEC 60998 und UL 1059 und ist nach UL und VDE international zugelassen.

Die meisten Klemmleisten aus der IMO Reihe „Professional“ werden in 2- und 3-poliger Ausführung hergestellt. Durch die Kombination dieser beiden Ausführungen können verschiedene Längen zusammengestellt werden. Bei größeren Mengen kann IMO jedoch diese Produkte auch als komplette Formstücke liefern, ggf. auch mit Aufdruck und Anschlussbezeichnungen.

Durch die äußerst zuverlässige Verbindungstechnik und moderne Herstellung der IMO Reihe "Professional" sind diese Produkte äußerst stabil und für die industrielle Steuerung sowie für Anwendungen in der Informationstechnik geeignet.

La série Professional de borniers pour circuit imprimé propose des pas de 3,5 mm, 3,81 mm, 5 mm, 6,35 mm, 7,50 mm, 9,50 mm, 10 mm et 10,16 mm avec une entrée de câble à 90°, 135° et 180°.

Avec ses structures à un, deux et trois niveaux, la série IMO Professional vous offre plusieurs options adaptées à votre application.

Les borniers acceptent plusieurs dimensions de câble, de 28AWG à 6AWG, et la série haute puissance offre une grande capacité électrique dans un espace restreint pour des produits tels que les alimentations électriques et les variateurs.

La culasse en acier utilisée pour la connexion du câble permet aux produits de la série IMO Professional d'être sans entretien grâce à un système anti-vibration qui empêche le câble de se desserrer tout en assurant une large zone de contact et une connexion extrêmement fiable.

Tous les produits de cette série sont conformes aux normes IEC 60998 et UL 1059 et ont reçu une homologation internationale d'organismes, tels que UL et VDE.

La plupart des produits de la série IMO Professional sont fabriqués en série en versions bi- et tripolaires et, en combinant ces deux unités, on peut obtenir diverses longueurs. Cependant si l'application le réclame, comme c'est souvent le cas pour la production de masse, IMO peut fournir des produits moulés en un seul bloc ainsi que des borniers imprimés et gravés.

La série IMO Professional est équipée d'une connexion haute fiabilité qui, associée aux techniques de production modernes, assure au produit une extrême stabilité qui le rend idéal pour les applications de commandes industrielles et informatiques.

Le serie di morsettiere per circuiti stampati IMO Professional sono disponibili con passi di 3,5 mm; 3,81 mm; 5,00 mm; 6,35 mm; 7,50 mm; 9,50 mm; 10,00 mm e 10,16 mm con entrata conduttore a 90°, 135° e 180°.

Disponibile in modelli a uno, due o tre livelli, la serie IMO Professional vi offre tutte le opzioni necessarie per le vostre applicazioni.

Le morsettiere possono accettare conduttori di varie dimensioni da 28AWG a 6AWG. È prevista anche una serie per alte potenze che offre al progettista una elevata capacità elettrica in uno spazio molto ridotto, ideale per l'utilizzo in prodotti quali alimentatori e inverter.

La serie IMO Professional utilizza un giogo in acciaio per il fissaggio del conduttore. Questo tipo di connessione è resistente alle vibrazioni, e previene il distacco del conduttore, eliminando la necessità di manutenzioni, offre inoltre una grande superficie di contatto assicurando un'eccellente ed affidabile contatto elettrico.

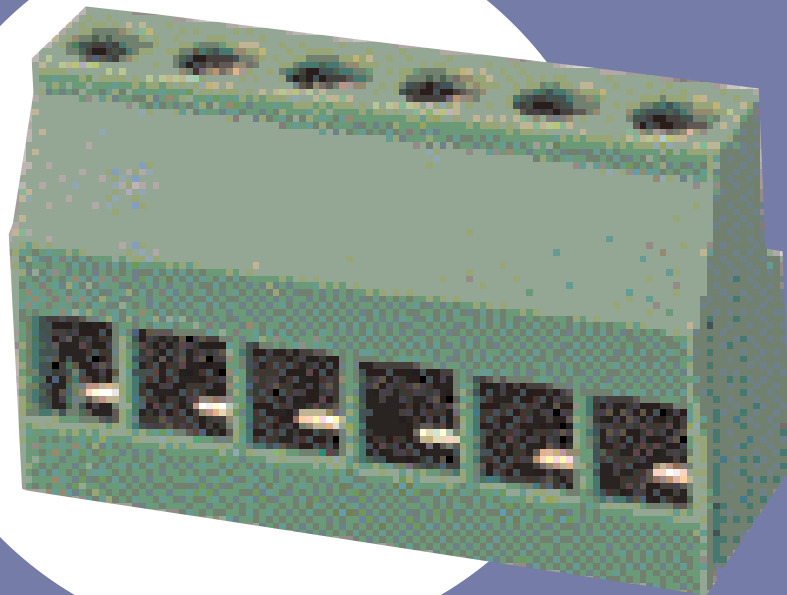
Tutti i prodotti di queste serie, sono conformi alle normative IEC 60998 e UL 1059 e sono omologati da organismi internazionali quali UL e VDE. La maggior parte dei prodotti delle serie IMO Professional sono prodotti in versione a 2 e 3 poli e possono essere liberamente abbinati per soddisfare le più svariate esigenze. Ciononostante, in caso di esigenze specifiche, ad esempio produzioni di massa, IMO è in grado di fornire il prodotto prestampato in versione monoblocco nella configurazione desiderata, eventualmente anche applicando sul connettore le marcature desiderate. Il metodo di connessione ad elevata affidabilità e le tecniche di produzione più avanzate utilizzate nella serie IMO Professional conferiscono a questo prodotto una grande stabilità, rendendolo ideale per l'utilizzo in applicazioni informatiche e di controllo industriale.

Rising Clamp PCB Terminal Blocks

Klemmleisten mit steigender Klammer

Borniers à cosse montante pour Circuits Imprimés

Morsetti con inserto a carrello



Rising Clamp PCB Terminal Blocks



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

21.551M		20.552M	
2.54mm		3.50mm	
UL	IEC	UL	IEC
150V	130V	300V	130V
8A		10A	10A
	1.5mm ²		1.5mm ²
	28-16		30-16
	28-16		30-16
	1.3/1.25kV		1.6/1.25/3kV
	0.2		0.2
	M1.6		M2
	4-5mm		4-5mm
	21.551M/2		20.552M/2
	21.551M/24		20.552M/24



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

21.554M		21.560M	
		Picture not available	
3.81mm		3.81mm	
UL	IEC	UL	IEC
300V	130V	300V	130V
12A	10A	12A	10A
	1.5mm ²		1.5mm ²
	30-16		30-16
	30-16		30-16
	1.6/1.25/3kV		1.6/1.25/3kV
	0.2		0.2
	M2		M2
	6-7mm		4-5mm
	21.554M/2		21.560M/3
	21.554M/24		21.560M/36



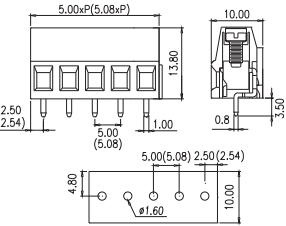
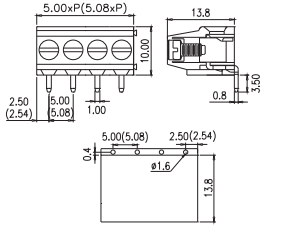
20.553M		21.559M		21.558M		21.557M		21.553M	
c US		c US ∇ Pending		c US ∇ Pending		c US ∇ Pending		c US	
3.50mm		3.81mm		3.81mm		3.81mm		3.81mm	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	130V	300V	250V	300V	250V	300V	250V	300V	130V
10A	10A	12A	14A	12A	14A	12A	14A	12A	10A
1.5mm ²		1.5mm ²		1.5mm ²		1.5mm ²		1.5mm ²	
30-16		30-16		30-16		30-16		30-16	
1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV	
0.2		0.2		0.2		0.2		0.2	
M2		M2		M2		M2		M2	
4-5mm		6-7mm		6-7mm		6-7mm		6-7mm	
20.553M/2		21.559M/2		21.558M/2		21.557M/2		21.553M/2	
20.553M/24		21.559M/24		21.558M/24		21.557M/24		21.553M/24	

21.556M		20.251M		21.251M		21.250M		21.252M		20.351M		21.351M	
c US		c US		c US ∇		c US ∇		c US ∇		c US a			
3.81mm		5.00mm (5.08mm)		5.08mm		5.08mm		5.08mm		5.00mm (5.08mm)			
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	130V	300V	250V	300V	250V	300V	250V	300V	250V	300V	230V	20A	10A
10A	8A	13.5A	12A	13.5A	14A	13.5A	14A	13.5A	14A	20A	10A		
1.5mm ²		2.5mm ²		1.5mm ²		1.5mm ²		1.5mm ²		2.5mm ²			
28-16		30-14		26-18		26-18		26-18		24-12			
1.6/1.25kV		1.6/2/3kV		1.6/2/3kV		1.6/2/3kV		1.6/2/3kV		1.6/2/3kV			
0.2		0.5		0.5		0.5		0.5		0.5			
M2		M2.5		M2.5		M2.5		M2.5		M2.5			
4-5mm		5-6mm		6-7mm		6-7mm		6-7mm		6-7mm			
21.556M/2		20.251M/2	(21.251M/2)	21.250M/2		21.252M/2		21.252M/2		20.351M/2	(21.351M/2)		
21.556M/24		20.251M/24	(21.251M/24)	21.250M/24		21.252M/24		21.252M/24		20.351M/24	(21.351M/24)		

Rising Clamp PCB Terminal Blocks



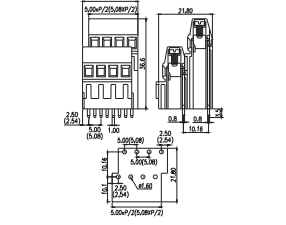
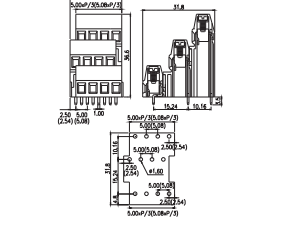


Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.350M	21.350M	20.355M	21.355M
			
			
5.00mm (5.08mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC
300V	250V	300V	250V
20A	24A	20A	10A
	2.5mm ²		2.5mm ²
	24-12		24-12
	24-12		24-12
	1.6/2/3kV		1.6/2/4kV
	0.5		0.5
	M2.5		M2.5
	6-7mm		6-7
20.350M/2	(21.350M/2)	20.355M/2	(21.355M/2)
20.350M/24	(21.350M/24)	20.355M/24	(21.355M/24)



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.752M	21.752M	20.753M	21.753M
			
			
5.00mm (5.08mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC
300V	250V	300V	250V
20A	10A	20A	10A
	2.5mm ²		2.5mm ²
	24-12		24-12
	24-12		24-12
	1.6/2/4kV		1.6/2/4kV
	0.5		0.5
	M2.5		M2.5
	6-7mm		6-7mm
20.752M/2	(21.752M/2)	20.753M/3	(21.753M/3)
20.752M/24	(21.752M/24)	20.753M/36	(21.753M/36)

20.783M		21.783M		20.793M		21.793M		20.352M		21.352M		20.353M		21.353M		20.751M		21.751M	
c a		c a		c a		c a		c a		c a		c a		c a		c a		c a	
5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V
20A	10A	20A	10A	20A	10A	20A	10A	20A	10A	20A	10A	20A	10A	20A	10A	20A	10A	20A	10A
2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²
24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12
1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5
6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm
20.783M/2	(21.783M/2)	20.793M/2	(21.793M/2)	20.352M/2	(21.352M/2)	20.353M/2	(21.353M/2)	20.751M/2	(21.751M/2)	20.783M/24	(21.783M/24)	20.793M/24	(21.793M/24)	20.352M/24	(21.352M/24)	20.353M/24	(21.353M/24)	20.751M/24	(21.751M/24)

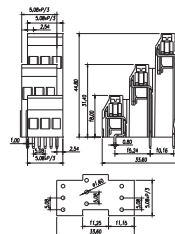
20.354M		20.700M		21.700M		21.705M		21.750M		21.754M	
c		c V		c		c V		c V		c	
5.00mm		5.00mm (5.08mm)		5.08mm		5.08mm		5.08mm		5.08mm	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V
20A	12A	25A	24A	25A	24A	25A	24A	25A	24A	25A	24A
2.5mm ²	4.0mm ²	4.0mm ²	4.0mm ²	4.0mm ²	4.0mm ²	4.0mm ²	4.0mm ²	4.0mm ²	4.0mm ²	4.0mm ²	4.0mm ²
24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12	24-12
1.6/2/3kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV	1.6/2/4kV
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5	M2.5
6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm	6-7mm
20.354M/2	20.700M/2	(21.700M/2)	21.705M/2	21.750M/2	21.754M/2	20.354M/16	20.700M/24	(21.700M/24)	21.750M/24	21.754M/24	

Rising Clamp PCB Terminal Blocks



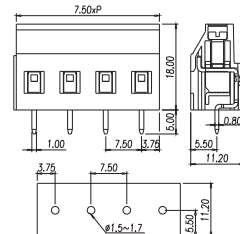
Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

21.755M



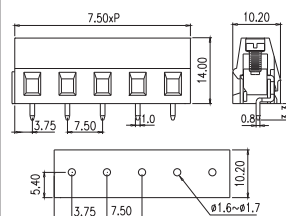
5.08mm

20.710M



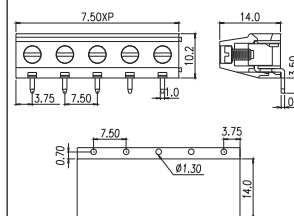
7.50mm

20.356M



7.50mm

20.357M



7.50mm



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

UL IEC

300V 250V

10A 24A

2.5mm²

24-12

24-12

1.6/2/4kV

0.5

M2.5

6-7mm

20.356M/2

20.356M/24

UL IEC

300V 250V

10A 24A

2.5mm²

24-12

24-12

1.6/2/4kV

0.5

M2.5

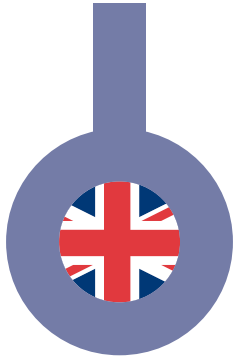
6-7mm

20.357M/2

20.357M/24

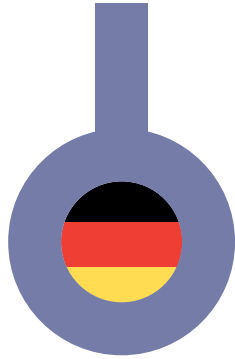
21.756M		21.840M		20.841M 21.841M		20.842M		20.843M 21.843M	
c v f		c us		c v f		c us		c v f	
5.08mm		6.35mm		7.50mm (7.62mm)		9.50mm		10.00mm (10.16mm)	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
600V	250V	300V	450V	600V	750V	300V	750V	600V	750V
23A	24A	30A	32A	30A	32A	30A	32A	40A	57A
4.0mm ²		4.0mm ²		4.0mm ²		4.0mm ²		10mm ²	
26-12		26-10		24-10		26-10		20-6	
26-12		26-10		24-10		26-10		20-6	
2.2/2/4kV		1.6/2.5/4kV		2.2/3/4kV		2.2/3/4kV		2.2/3/4kV	
0.8		0.8		1.4		0.5		1.8	
M3		M3		M3.5		M3		M4	
10-11mm		10-11mm		10-11mm		6-7mm		10-11mm	
21.756M/2		21.840M/2		20.841M/2	(21.841M/2)	20.842M/2		20.843M/2	(21.843M/2)
21.756M/24		21.840M/24		20.841M/24	(21.841M/24)	20.842M/24		20.843M/24	(21.843M/24)

20.502M		20.503M		20.590M		20.2250MH		20.2275MH	
c a v		c us a		c us a		c us a		c us a	
5.00mm		5.00mm		5.00mm		5.00mm		7.50mm	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V	300V	250V	300V	450V
8A	17.5A	8A	17.5A	8A	17.5A	20A	16A	20A	16A
1.5mm ²		1.5mm ²		1.5mm ²		2.5mm ²		2.5mm ²	
26-14		26-14		26-14		22-12		22-12	
26-14		26-14		26-14		22-12		22-12	
1.6/2/3kV		1.6/2/3kV		1.6/2/3kV		1.6/2/3kV		1.6/2.5/4kV	
0.5		0.5		0.5		0.5		0.5	
M2.5		M2.5		M2.5		M2.5		M2.5	
6-7mm		6-7mm		6-7mm		10-11mm		10-11mm	
20.502M/2		20.503M/2		20.590M/2		20.2250MH/2		20.2275MH/2	
20.502M/24		20.503M/24		20.590M/24		20.2250MH/24		20.2275MH/24	



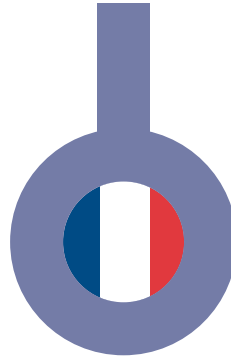
The IMO 900 and 1500 plugs, used as part of our pluggable interconnect series of terminal blocks, can be used in a variety of sockets (headers). These sockets are available in 3.50mm, 3.81mm, 5.00mm, 5.08mm, 7.5mm and 7.62mm pitches with horizontal or vertical entry to meet your various design requirements; and for designs where space is limited IMO are also able to offer two-level sockets.

The 900 and 1500 sockets are manufactured to meet IEC 60998 and UL 1059 requirements are approved by UL and VDE.



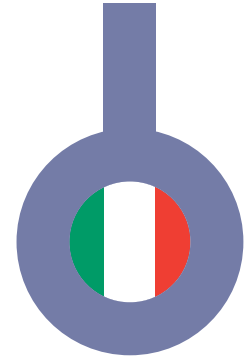
Die Stecker aus den Reihen IMO 900 und 1500 für unsere einsteckbaren Verbinder können in viele verschiedene Buchsenleisten eingesetzt werden. Diese Buchsen sind mit Rasterabständen von 3,50mm; 3,81mm; 5,00mm; 5,08mm; 7,50mm und 7,62mm mit horizontaler oder senkrechter Kabeleinführung erhältlich, um möglichst vielen Einsatzbedingungen gerecht zu werden. Für beengte Platzverhältnisse bietet IMO zudem 2-Ebenen-Buchsen an.

Die Buchsen der Reihen 900 und 1500 entsprechen den Anforderungen von IEC 60998 und UL 1059 und sind nach UL und VDE zugelassen.



Les socles IMO 900 et 1500 sont utilisables avec divers supports (embases) dans notre série de borniers d'interconnexion enfichables. Elles existent avec des pas de 3,50 mm, 3,81 mm, 5 mm, 5,08 mm, 7,5 mm et 7,62 mm avec entrée de câble horizontale ou verticale qui leur permettent de s'adapter à vos diverses exigences de conception ; pour les conceptions dans lesquelles l'espace est restreint, IMO propose également des socles à deux niveaux.

Les socles 900 et 1500 sont fabriquées aux normes IEC 60998 et UL 1059 et elles sont homologuées UL et VDE.



I connettori maschi delle serie IMO 900 e 1500 fanno parte della nostra serie di morsettiere a interconnessione e possono essere utilizzati con un gran numero di connettori femmina. Questi ultimi sono disponibili nei passi 3,50 mm; 3,81 mm; 5,00 mm; 5,08 mm; 7,5 mm e 7,62 mm con entrata conduttore orizzontale o verticale per soddisfare una vasta gamma di esigenze progettuali. Per le applicazioni in cui lo spazio è limitato, IMO offre anche connettori femmina a due livelli.

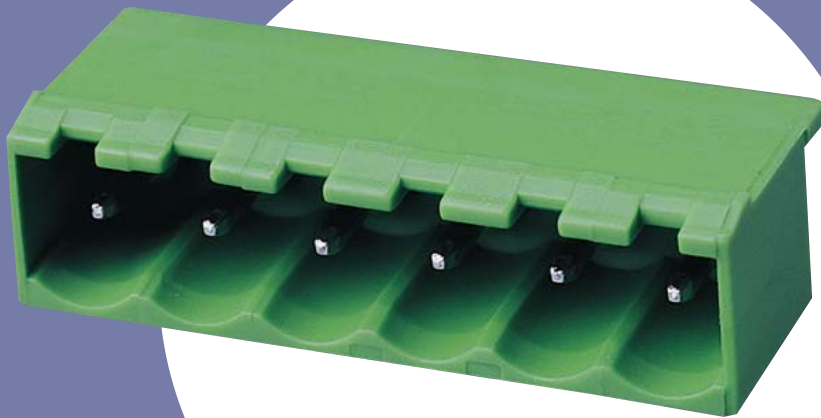
I connettori femmina delle serie 900 e 1500 sono prodotti in conformità con le normative IEC 60998 e UL 1059 e sono omologati UL e VDE.

Sockets for Pluggable Terminal Blocks

Buchse für PCB Klemmleisten

Socles pour borniers pour Circuits Imprimés

Connettori femmina da circuito stampato



Sockets for Pluggable Terminal Blocks



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.155MV	21.155MV	20.155MVF	21.155MVF
 3.50mm (3.81mm)		 3.50mm (3.81mm)	
UL	IEC	UL	IEC
300V	130V	300V	130V
8A	8A	8A	8A
1.6/1.25/3kV		1.6/1.25/3kV	
20.155MV/2	(21.155MV/2)	20.155MVF/2	(21.155MVF/2)
20.155MV/24	(21.155MV/24)	20.155MVF/24	(21.155MVF/24)



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.156MHF	21.156MHF	20.157MV	21.157MV
 3.50mm (3.81mm)		 3.50mm (3.81mm)	
UL	IEC	UL	IEC
300V	130V	300V	130V
8A	8A	8A	8A
1.6/1.25/3kV		1.6/1.25/3kV	
20.156MHF/2	(21.156MHF/2)	20.157MV/2	(21.157MV/2)
20.156MHF/24	(21.156MHF/24)	20.157MV/24	(21.157MV/24)

20.155MH	21.155MH	20.155MHF	21.155MHF	20.156MV	21.156MV	20.156MVF	21.156MVF	20.156MH	21.156MH
3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)
UL 300V 8A	IEC 130V 8A	UL 300V 8A	IEC 130V 8A	UL 300V 8A	IEC 130V 8A	UL 300V 8A	IEC 130V 8A	UL 300V 8A	IEC 130V 8A
1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV
20.155MH/2	(21.155MH/2)	20.155MHF/2	(21.155MHF/2)	20.156MV/2	(21.156MV/2)	20.156MVF/2	(21.156MVF/2)	20.156MH/2	(21.156MH/2)
20.155MH/24	(21.155MH/24)	20.155MHF/24	(21.155MHF/24)	20.156MV/24	(21.156MV/24)	20.156MVF/24	(21.156MVF/24)	20.156MH/24	(21.156MH/24)

20.157MVF	21.157MVF	20.157MH	21.157MH	20.157MHF	21.157MHF	21.158MP	21.92MP
3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.50mm (3.81mm)	3.81mm	5.08mm
UL 300V 8A	IEC 130V 8A	UL 300V 8A	IEC 130V 8A	UL 300V 8A	IEC 130V 8A	UL 300V 8A	IEC 130V 8A
1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25/3kV	1.6/1.25kV	1.6/2/4kV
20.157MVF/2	(21.157MVF/2)	20.157MH/2	(21.157MH/2)	20.157MHF/2	(21.157MHF/2)	21.158MP/2	21.92MP/2
20.157MVF/24	(21.157MVF/24)	20.157MH/24	(21.157MH/24)	20.157MHF/24	(21.157MHF/24)	21.158MP/24	21.92MP/24

Sockets for Pluggable Terminal Blocks



Pitch

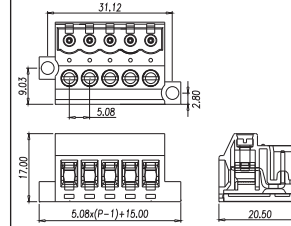
Höhe

Pas

Passo

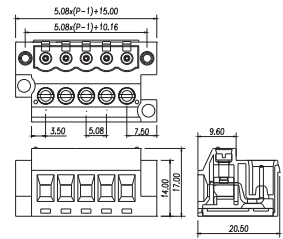
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

21.95MVT



5.08mm

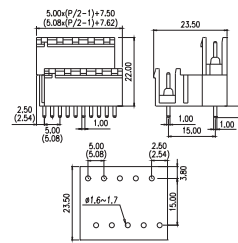
21.95MVTF



5.08mm

20.94MV

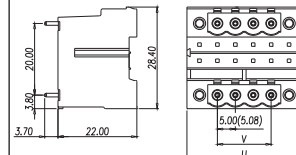
21.94MV



5.00mm (5.08mm)

20.93MVF

21.93MVF



5.08mm (5.08mm)



Pitch

Höhe

Pas

Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

UL IEC

UL IEC

UL IEC

UL IEC

300V 250V

300V 250V

300V 250V

300V 250V

15A 12A

15A 12A

15A 12A

15A 12A

2.5mm²

2.5mm²

2.5mm²

2.5mm²

24-12

24-12

24-12

24-12

1.6/2/4kV

1.6/2/4kV

1.6/2/4kV

1.6/2/4kV

0.5

0.5

0.5

0.5

M2.5

M2.5

M2.5

M2.5

7-8mm

7-8mm

7-8mm

7-8mm

21.95MVT/2

21.95MVT/24

21.95MVTF/2

21.95MVTF/24

20.94MV/2

(21.94MV/2)

20.93MVF/2

(21.93MVF/2)

20.94MV/24

(21.94MV/24)

20.93MVF/24

(21.93MVF/24)

20.95MV		21.95MV		20.90MV		21.90MV		20.95MVF		21.95MVF		21.97MV		20.93MV		21.93MV	
cRU [®] US a f		cRU [®] US a f		cRU [®] US a f		cRU [®] US a f		cRU [®] US a f		cRU [®] US a f		cRU [®] US		cRU [®] US		cRU [®] US	
5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.08mm		5.00mm (5.08mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V
15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	12A	15A	12A	15A	12A	15A	12A
1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2kV		1.6/2kV		1.6/2/4kV		1.6/2/4kV	
20.95MV/2	(21.95MV/2)	20.90MV/2	(21.90MV/2)	20.95MVF/2	(21.95MVF/2)	20.95MVF/2	(21.95MVF/2)	21.97MH/2		20.93MV/2	(21.93MV/2)	20.93MV/2	(21.93MV/2)	20.95MV/24	(21.95MV/24)	20.90MV/24	(21.90MV/24)
20.95MV/24	(21.95MV/24)	20.90MV/24	(21.90MV/24)	20.95MVF/24	(21.95MVF/24)	20.95MVF/24	(21.95MVF/24)	21.97MH/24		20.93MV/24	(21.93MV/24)	20.93MV/24	(21.93MV/24)				

20.94MVF		21.94MVF		20.95MH		21.95MH		20.90MH		21.90MH		20.95MHF		21.95MHF		20.93MH		21.93MH	
cRU [®] US		cRU [®] US a f		cRU [®] US a f		cRU [®] US a f		cRU [®] US a f		cRU [®] US a f		cRU [®] US a f		cRU [®] US		cRU [®] US		cRU [®] US	
5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V
15A	12A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	12A	15A	12A	15A	12A	15A	12A
1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV	
20.94MVF/2	(21.94MVF/2)	20.95MH/2	(21.95MH/2)	20.90MH/2	(21.90MH/2)	20.95MHF/2	(21.95MHF/2)	20.93MH/2	(21.93MH/2)	20.94MVF/24	(21.94MVF/24)	20.95MH/24	(21.95MH/24)	20.90MH/24	(21.90MH/24)	20.95MHF/24	(21.95MHF/24)	20.93MH/24	(21.93MH/24)
20.94MVF/24	(21.94MVF/24)	20.95MH/24	(21.95MH/24)	20.90MH/24	(21.90MH/24)	20.95MHF/24	(21.95MHF/24)	20.93MH/24	(21.93MH/24)										

Sockets for Pluggable Terminal Blocks



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.94MH	21.94MH	20.93MHF	21.93MHF
5.00mm (5.08mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC
300V	250V	300V	250V
15A	12A	15A	12A
1.6/2/4kV		1.6/2/4kV	
20.94MH/2	(21.94MH/2)	20.93MHF/2	(21.93MHF/2)
20.94MH/24	(21.94MH/24)	20.93MHF/24	(21.93MHF/24)



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.91MH	21.91MH	20.96MHF	21.96MHF
7.50mm (7.62mm)		7.50mm (7.62mm)	
UL	IEC	UL	IEC
300V	250V	300V	250V
15A	17.5A	15A	17.5A
1.6/2/4kV		1.6/2/4kV	
20.91MH/2	(21.91MH/2)	20.96MHF/2	(21.96MHF/2)
20.91MH/14	(21.91MH/14)	20.96MHF/14	(21.96MHF/14)

20.94MHF		21.94MHF		20.96MV		21.96MV		20.91MV		21.91MV		20.96MVF		21.96MVF		20.96MH		21.96MH	
c US		c US f		c US		c US f		c US		c US f		c US		c US f		c US		c US f	
5.00mm (5.08mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V
15A	12A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A
1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV	
20.94MHF/2	(21.94MHF/2)	20.96MV/2	(21.96MV/2)	20.91MV/2	(21.91MV/2)	20.96MVF/2	(21.96MVF/2)	20.96MH/2	(21.96MH/2)	20.94MHF/24	(21.94MHF/24)	20.96MV/14	(21.96MV/14)	20.91MV/14	(21.91MV/14)	20.96MVF/14	(21.96MVF/14)	20.96MH/14	(21.96MH/14)

21.98MH		21.98MHR		21.99MH		21.99MHR		21.95MS	
c US		c US		c US		c US		c US	
8.80mm		8.80mm		10.16mm		10.16mm		5.08mm	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
600V	750V	600V	750V	600V	750V	600V	750V	300V	250V
30A	57A	30A	57A	40A	76A	40A	76A	15A	12A
2.2/3/4kV		2.2/3/4kV		2.2/3kV		2.2/3kV		1.6/2.5/4kV	
21.98MH/2		21.98MHR/2		21.99MH/2		21.99MHR/2		21.95MS/2	
21.98MH/12		21.98MHR/12		21.99MH/12		21.99MHR/12		21.95MS/24	

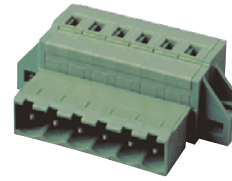
Sockets for Pluggable Terminal Blocks



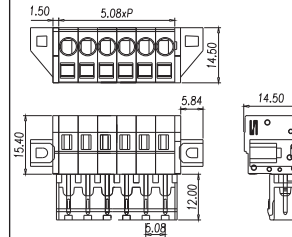
Pitch Höhe Pas Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici	UL	IEC
Rated voltage	Nennspannung	Tension assignée	Tensione nominale	300V	250V
Rated current	Nennstrom	Courant assigné	Corrente nominale	15A	12A
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo	1.5mm ²	
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)	28-14	
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)		
Rated surge voltage (UL/IEC/max)	Bemessungsschossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)	1.6/2.5/4kV	
Torque (Nm)	Drehmoment	Couple	Coppia		
Screw	Schraube	Vis	Vite		
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo	8-9mm	
Temperature Range	Temperaturbereich	Plage de température	Gamma di temperature	-40 °C +260 °C	
Part no.	Artikelbez	Numéro d'identification	Part. No.		
Pole	Pol	Pôle	Polo	21.95MSF/2 21.95MSF/24	

21.95MSF

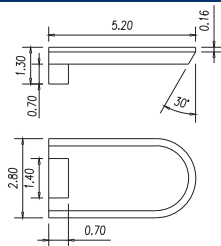


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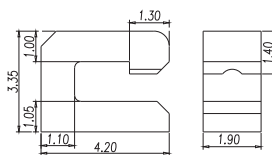
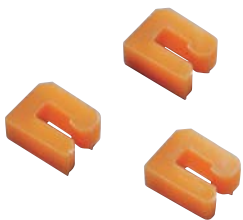
5.08mm

155CP Key code for 1500 series sockets

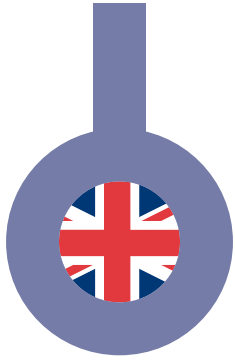


Part No: 21.155M/CP

900CP Key code for 900 series sockets

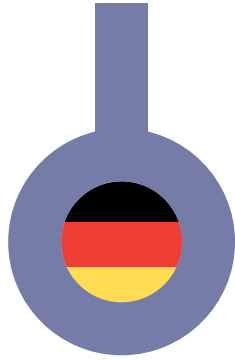


Part No: 21.900M/CP



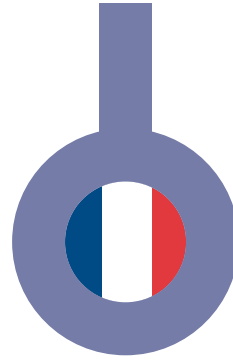
To complement the standard range of PCB sockets, IMO has introduced a new high temperature version socket (HT range), which is suitable for the majority of reflow methods.

Rated from -40°C to 260°C and manufactured from high temperature resistant materials, it is available in pitches 3.5mm to 5.08mm, open ended or closed ended, with or without flange.



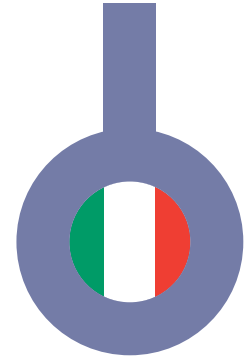
Als Ergänzung unserer Standard-Platinenbuchsen stellt IMO die neue Hochtemperaturversion (HT) vor, die für die meisten Fließlötvorgänge geeignet ist.

Durch die Verwendung hochtemperaturfester Materialien umfasst der Temperaturbereich -40°C bis 260°C . Der Rasterabstand beträgt 3,5mm bis 5,08mm, seitlich offen oder geschlossen, mit oder ohne Flansch.



Pour compléter la gamme standard de socles pour circuits imprimés, IMO a créé un nouveau socle spécial pour hautes températures (gamme HT), qui convient à la plupart des systèmes de refusion.

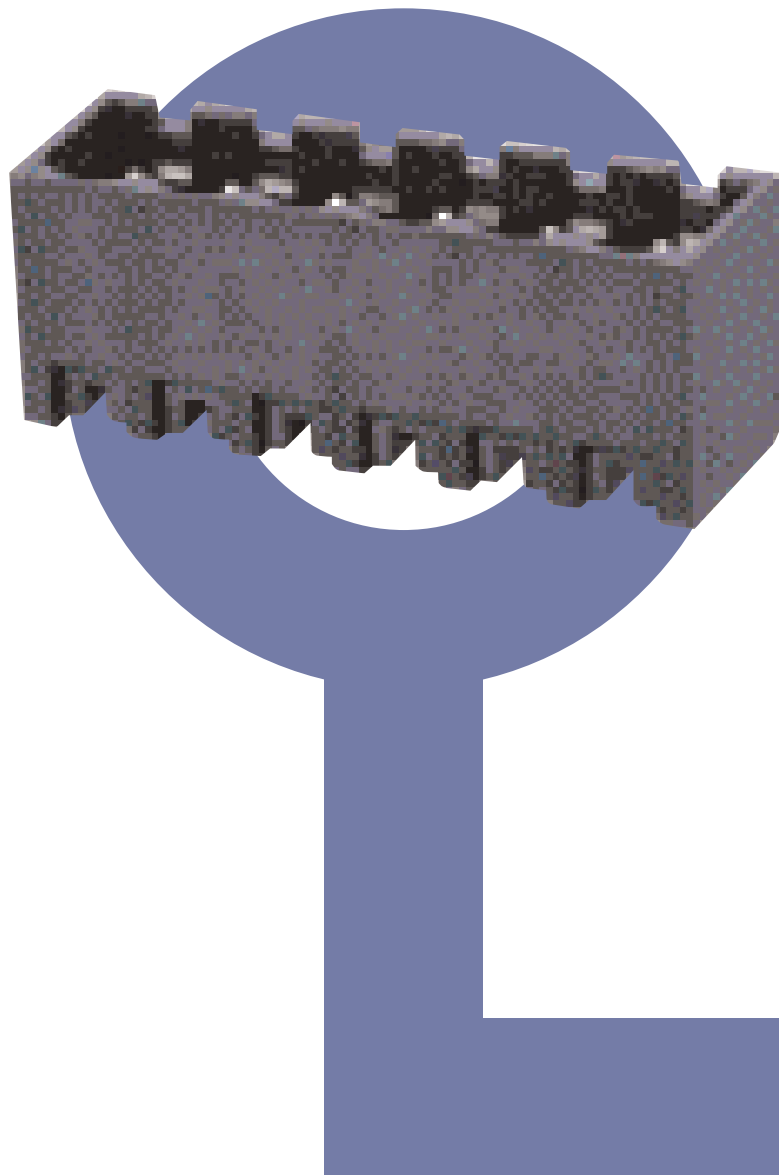
Prévu pour des températures comprises entre -40°C et 260°C et fabriqué en matériaux résistants aux températures élevées, il existe avec des pas de 3,5 mm à 5,08 mm, avec extrémité ouverte ou fermée, évasé ou non.



Per complementare la gamma di connettori per circuiti stampati, IMO ha introdotto una nuova versione di connettore femmina (gamma HT) per alte temperature, adatta alla maggior parte dei metodi di saldatura tipo "reflow".

Capaci di sostenere temperature da -40°C a $+260^{\circ}\text{C}$, questi connettori sono fabbricati in materiali termo resistenti e sono disponibili in passi da 3,5 mm a 5,08 mm, con estremità aperta o chiusa, con o senza flangia.

High Temperature Sockets for Pluggable Terminal Blocks
Hochtemperaturbuchsen fr PCB Klemmleisten
Socles Résistants à de Hautes Températures pour Borniers
de Connexion pour Circuits Imprimés
Connettori femmina da circuito stampato per alte temperature



High Temperature Sockets for Pluggable Terminal Blocks



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Temperature Range	Temperaturbereich	Plage de température	Gamma di temperature
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.155MH-HT	21.155MH-HT	20.155MHF-HT	21.155MHF-HT
3.50mm (3.81mm)		3.50mm (3.81mm)	
UL	IEC	UL	IEC
300V	130V	300V	130V
8A	8A	8A	8A
1.6/1.25/3kV		1.6/1.25/3kV	
-40°C +260°C		-40°C +260°C	
20.155MH/2HT	(21.155MH/2HT)	20.155MHF/2HT	(21.155MHF/2HT)
20.155MH/24HT	(21.155MH/24HT)	20.155MHF/24HT	(21.155MHF/24HT)

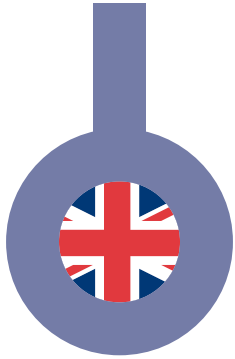


Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Temperature Range	Temperaturbereich	Plage de température	Gamma di temperature
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.95MH-HT	21.95MH-HT	20.90MH-HT	21.90MH-HT
5.00mm (5.08mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC
300V	250V	300V	250V
15A	17.5A	15A	17.5A
1.6/2/4kV		1.6/2/4kV	
-40°C +260°C		-40°C +260°C	
20.95MH/2HT	(21.95MH/2HT)	20.90MH/2HT	(21.90MH/2HT)
20.95MH/24HT	(21.95MH/24HT)	20.90MH/24HT	(21.90MH/24HT)

20.155MV-HT		21.155MV-HT		20.155MV-F-HT		21.155MV-F-HT	
3.50mm (3.81mm)		3.50mm (3.81mm)		3.50mm (3.81mm)		3.50mm (3.81mm)	
UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	130V	300V	130V	300V	130V	300V	130V
8A	8A	8A	8A	8A	8A	8A	8A
1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV	
-40°C +260°C		-40°C +260°C		-40°C +260°C		-40°C +260°C	
20.155MV/2HT	(21.155MV/2HT)	20.155MV/2HT	(21.155MV/2HT)	20.155MV/24HT	(21.155MV/24HT)	20.155MV/24HT	(21.155MV/24HT)
20.155MV/24HT	(21.155MV/24HT)	20.155MV/24HT	(21.155MV/24HT)	20.155MV/24HT	(21.155MV/24HT)	20.155MV/24HT	(21.155MV/24HT)

20.95MHFHT		21.95MHFHT		20.95MV-HT		21.95MV-HT		20.90MV-HT		21.90MV-HT		20.95MV-FHT		21.95MV-FHT	
5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V
15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A
1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV	
-40°C +260°C		-40°C +260°C		-40°C +260°C		-40°C +260°C		-40°C +260°C		-40°C +260°C		-40°C +260°C		-40°C +260°C	
20.95MHF/2HT	(21.95MHF/2HT)	20.95MHF/24HT	(21.95MHF/24HT)	20.95MV/2HT	(21.95MV/2HT)	20.95MV/24HT	(21.95MV/24HT)	20.90MV/2HT	(21.90MV/2HT)	20.90MV/24HT	(21.90MV/24HT)	20.95MV-F/2HT	(21.95MV-F/2HT)	20.95MV-F/24HT	(21.95MV-F/24HT)
20.95MHF/24HT	(21.95MHF/24HT)	20.95MHF/24HT	(21.95MHF/24HT)	20.95MV/24HT	(21.95MV/24HT)	20.95MV/24HT	(21.95MV/24HT)	20.90MV/24HT	(21.90MV/24HT)	20.90MV/24HT	(21.90MV/24HT)	20.95MV-F/24HT	(21.95MV-F/24HT)	20.95MV-F/24HT	(21.95MV-F/24HT)

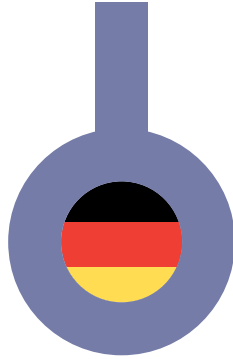


The 900 and 1500 series make up the plug side of our pluggable interconnect series of terminal blocks and are available in the following pitches 3.50mm, 3.81mm, 5.00mm, 5.08mm, 7.50mm and 7.62mm.

These series of plugs are available in horizontal, vertical, and front wire entry to meet multiple design requirements.

IMO's steel yoke design is utilised in these products to create a reliable connection suitable for use in industrial controls, information technology and other applications requiring highly reliable interconnection with the flexibility of simplified modifications and installations.

The 900 and 1500 series are manufactured to meet IEC 60998 and UL 1059 requirements and are approved by UL and VDE

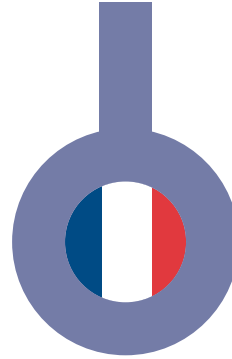


Die Modellreihen 900 und 1500 bilden die Stecker für unsere einsteckbaren Verbinder und sind mit folgenden Rasterabständen lieferbar 3,50mm; 3,81mm; 5,00mm; 5,08mm; 7,50mm und 7,62mm.

Diese Stecker sind in horizontaler und senkrechter Ausführung, sowie mit Kabeleinführung von vorne erhältlich, um möglichst vielen Einsatzbedingungen gerecht zu werden.

Durch die IMO Stahlbügelkonstruktion ergibt sich eine zuverlässige Verbindung für den Einsatz in der industriellen Steuerung, Informationstechnik und anderen Anwendungen, bei denen nicht nur eine äußerst zuverlässige Verbindung erforderlich ist, sondern auch Änderungen und Einbau einfach vorstatten gehen müssen.

Die Modellreihen 900 und 1500 entsprechen den Anforderungen von IEC 60998 und UL 1059 und sind nach UL und VDE zugelassen.

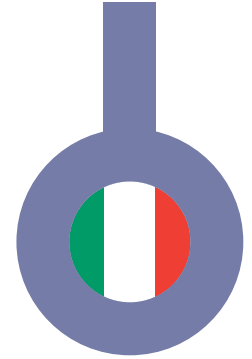


Les séries 900 et 1500 sont des borniers de jonction enfichables ; elles existent dans les pas suivants : 3,50 mm, 3,81 mm, 5 mm, 5,08 mm, 7,50 mm et 7,62 mm.

Ces séries de fiches sont disponibles avec une entrée de câble horizontale, verticale et frontale qui leur permettent de s'adapter à diverses exigences de conception.

Ces produits sont équipés de la culasse en acier IMO qui garantit une connexion fiable convenant à une utilisation dans les applications de commandes industrielles et informatiques, et toute autre application exigeant une connexion extrêmement fiable dotée de la souplesse nécessaire pour permettre des modifications et une installation simples.

Les séries 900 et 1500 sont fabriquées aux normes IEC 60998 et UL 1059 et elles sont homologuées UL et VDE.



Le serie 900 e 1500 rappresentano la parte maschio delle nostre serie di morsettiere a interconnessione. Sono disponibili nei passi 3,50 mm; 3,81 mm; 5,00 mm; 5,08 mm; 7,50 mm e 7,62 mm.

Queste serie di connettori maschi sono disponibili con entrata conduttore orizzontale, verticale e frontale per soddisfare una vasta gamma di esigenze progettuali.

La speciale configurazione a giogo in acciaio, di progettazione IMO, impiegata in questi prodotti rende la connessione estremamente affidabile e li rende ideali per l'impiego in tutte le applicazioni informatiche, di controllo industriale, ecc. in cui l'estrema affidabilità della connessione deve essere abbinata a flessibilità e semplicità di modifica e installazione.

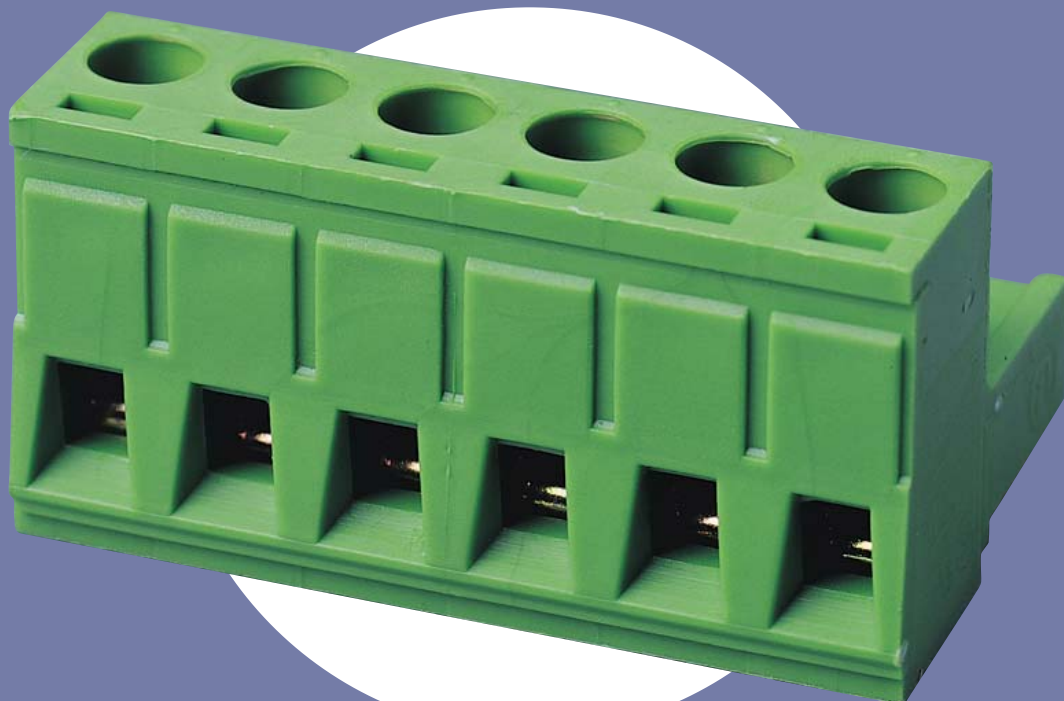
I Connettori delle serie 900 e 1500 sono prodotti in conformità con le normative IEC 60998 e UL 1059 e sono omologati UL e VDE.

Plugs for PCB Socket Terminal Blocks

Stecker für PCB Klemmen

Borniers enfichables pour Circuit Imprimé

Connettori maschio da circuito stampato



Plugs for PCB Socket Terminal Blocks



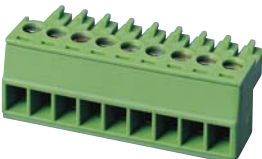

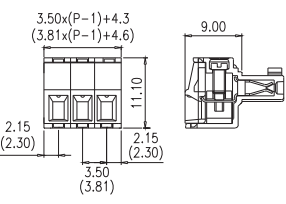
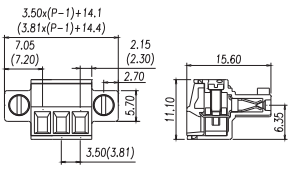
Pitch

Höhe

Pas

Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.1550M	21.1550M	20.1550MF	21.1550MF
			
			
3.50mm (3.81mm)		3.50mm (3.81mm)	
UL	IEC	UL	IEC
300V	130V	300V	130V
8A	8A	8A	8A
	1.5mm ²		1.5mm ²
	28-16		28-16
	28-16		28-16
	1.6/1.25/3kV		1.6/1.25/3kV
	0.2		0.2
	M2		M2
	6-7mm		6-7mm
20.1550M/2	(21.1550M/2)	20.1550MF/2	(21.1550MF/2)
20.1550M/24	(21.1550M/24)	20.1550MF/24	(21.1550MF/24)





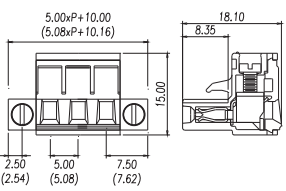
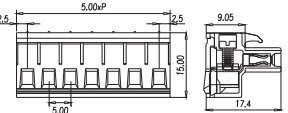
Pitch

Höhe

Pas

Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.950MF	21.950MF	20.951M
		
		
5.00mm (5.08mm)		5.00mm
UL	IEC	UL
300V	250V	300V
15A	17.5A	15A
	2.5mm ²	2.5mm ²
	28-12	28-12
	30-12	30-12
	1.6/2/4kV	1.6/2/4kV
	0.5	0.5
	M2.5	M2.5
	7-8mm	7-8mm
20.950MF/2	(21.950MF/2)	20.951M/2
20.950MF/24	(21.950MF/24)	20.951M/24

20.1500M		21.1500M		20.1500MF		21.1500MF		20.1510M		21.1510M		20.1510MF		21.1510MF		20.950M		21.950M	
c us		c us		c us		c us		c us		c us		c us		c us		c us		a f	
3.50mm (3.81mm)		3.50mm (3.81mm)		3.50mm (3.81mm)		3.50mm (3.81mm)		3.50mm (3.81mm)		3.50mm (3.81mm)		3.50mm (3.81mm)		5.00mm (5.08mm)		5.00mm (5.08mm)			
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	130V	300V	130V	300V	130V	300V	130V	300V	130V	300V	130V	300V	130V	300V	250V	300V	250V	300V	250V
8A	8A	8A	8A	8A	8A	8A	8A	8A	8A	8A	8A	8A	8A	15A	17.5A	15A	17.5A	15A	17.5A
1.5mm ²		1.5mm ²		1.5mm ²		1.5mm ²		1.5mm ²		1.5mm ²		1.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²	
28-16		28-16		28-16		28-16		28-16		28-16		28-16		28-12		28-12		28-12	
28-16		28-16		28-16		28-16		28-16		28-16		28-16		30-12		30-12		30-12	
1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV		1.6/1.25/3kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV	
0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.5		0.5		0.5	
M2		M2		M2		M2		M2		M2		M2		M2.5		M2.5		M2.5	
6-7mm		6-7mm		6-7mm		6-7mm		6-7mm		6-7mm		6-7mm		7-8mm		7-8mm		7-8mm	
20.1500M/2	(21.1500M/2)	20.1500MF/2	(21.1500MF/2)	20.1510M/2	(21.1510M/2)	20.1510MF/2	(21.1510MF/2)	20.1510M/2	(21.1510M/2)	20.1510MF/2	(21.1510MF/2)	20.1510M/2	(21.1510M/2)	20.950M/2	(21.950M/2)	20.950M/2	(21.950M/2)	20.950M/2	(21.950M/2)
20.1500M/24	(21.1500M/24)	20.1500MF/24	(21.1500MF/24)	20.1510M/24	(21.1510M/24)	20.1510MF/24	(21.1510MF/24)	20.1510M/24	(21.1510M/24)	20.1510MF/24	(21.1510MF/24)	20.1510M/24	(21.1510M/24)	20.950M/24	(21.950M/24)	20.950M/24	(21.950M/24)	20.950M/24	(21.950M/24)

20.970M		21.970M		20.970MF		21.970MF		20.910M		21.910M		20.910MF		21.910MF		20.952M			
c us		c us		c us		c us		c us		c us		c us		c us		a f			
5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)		5.00mm (5.08mm)			
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V	300V	250V
15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	15A	17.5A	12A	17.5A	12A	17.5A	12A	17.5A
2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²	
28-12		28-12		28-12		28-12		28-12		28-12		28-12		28-12		28-12		28-12	
30-12		30-12		30-12		30-12		30-12		30-12		30-12		28-12		28-12		28-12	
1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV		1.6/2/3kV		1.6/2/3kV		1.6/2/3kV		1.6/2/4kV		1.6/2/4kV		1.6/2/4kV	
0.5		0.5		0.5		0.5		0.5		0.5		0.5		0.4		0.4		0.4	
M2.5		M2.5		M2.5		M2.5		M2.5		M2.5		M2.5		M2.5		M2.5		M2.5	
9-10mm		9-10mm		9-10mm		9-10mm		7-8mm		7-8mm		7-8mm		7-8mm		7-8mm		7-8mm	
20.970M/2	(21.970M/2)	20.970MF/2	(21.970MF/2)	20.910M/2	(21.910M/2)	20.910MF/2	(21.910MF/2)	20.910M/2	(21.910M/2)	20.910MF/2	(21.910MF/2)	20.910M/2	(21.910M/2)	20.952M/2	(21.952M/2)	20.952M/2	(21.952M/2)	20.952M/2	(21.952M/2)
20.970M/24	(21.970M/24)	20.970MF/24	(21.970MF/24)	20.910M/24	(21.910M/24)	20.910MF/24	(21.910MF/24)	20.910M/24	(21.910M/24)	20.910MF/24	(21.910MF/24)	20.910M/24	(21.910M/24)	20.952M/24	(21.952M/24)	20.952M/24	(21.952M/24)	20.952M/24	(21.952M/24)

Plugs for PCB Socket Terminal Blocks



Pitch

Höhe

Pas

Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.920M	21.920M	20.920MF	21.920MF
5.00mm (5.08mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC
300V	250V	300V	250V
15A	17.5A	15A	17.5A
	2.5mm ²		2.5mm ²
	28-12		28-12
	30-12		30-12
	1.6/2/3kV		1.6/2/3kV
	0.5		0.5
	M2.5		M2.5
	7-8mm		7-8mm
20.920M/2	(21.920M/2)	20.920MF/2	(21.920MF/2)
20.920M/24	(21.920M/24)	20.920MF/24	(21.920MF/24)



Pitch

Höhe

Pas

Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Pole	Pol	Pôle	Polo

20.960MF	21.960MF	20.961M	21.961M
7.50mm (7.62mm)		7.50mm (7.62mm)	
UL	IEC	UL	IEC
300V	750V	300V	750V
15A	17.5A	15A	12A
	2.5mm ²		2.5mm ²
	28-12		28-12
	30-12		30-12
	1.6/2/5kV		1.6/2/5kV
	0.5		0.5
	M2.5		M2.5
	7-8mm		7-8mm
20.960MF/2	(21.960MF/2)	20.961M/2	(21.961M/2)
20.960MF/12	(21.960MF/12)	20.961M/12	(21.961M/12)

21.956MH		21.956MV		21.953M		21.954M		20.960M		21.960M	
UL		IEC		UL		IEC		UL		IEC	
300V		250V		300V		250V		300V		250V	
15A		12A		15A		12A		15A		17.5A	
5.08mm		5.08mm		5.08mm		5.08mm		5.08mm		7.50mm (7.62mm)	
2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²	
28-12		28-12		28-12		28-12		28-12		28-12	
30-12		30-12		30-12		30-12		30-12		30-12	
1.6/2/3kV		1.6/2/3kV		1.6/2/4kV		1.6/2kV		1.6/2kV		1.6/2/5kV	
0.4		0.4		0.4		0.5		0.5		0.5	
M2.5		M2.5		M2.5		M2.5		M2.5		M2.5	
7-8mm		7-8mm		7-8mm		7-8mm		7-8mm		7-8mm	
21.956MH/2		21.956MH/2		21.953M/2		21.954M/2		20.960M/2		(21.960M/2)	
21.956MH/24		21.956MH/24		21.953M/16		21.954M/12		20.960M/12		(21.960M/12)	

20.961MF		21.961MF		20.962M		21.962M		20.962MF		21.962MF		21.980M		21.990M	
														Picture not available	
UL		IEC		UL		IEC		UL		IEC		UL		IEC	
300V		750V		300V		750V		300V		750V		600V		750V	
15A		12A		15A		12A		15A		12A		30A		57A	
7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		7.50mm (7.62mm)		8.80mm		10.16mm	
2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		2.5mm ²		10mm ²		16mm ²	
28-12		28-12		28-12		28-12		28-12		28-12		18-8		16-6	
30-12		30-12		30-12		30-12		30-12		30-12		18-8		16-6	
1.6/2/5kV		1.6/2/5kV		1.6/2/5kV		1.6/2/5kV		1.6/2/5kV		1.6/2/5kV		2.2/3/5kV		2.2/3kV	
0.5		0.5		0.5		0.5		0.5		0.5		1.8		1.8	
M2.5		M2.5		M2.5		M2.5		M2.5		M2.5		M4		M4	
7-8mm		7-8mm		7-8mm		7-8mm		7-8mm		7-8mm		8-9mm		8-9mm	
20.961MF/2		(21.961MF/2)		20.962M/2		(21.962M/2)		20.962MF/2		(21.962MF/2)		21.980M/2		21.990M/2	
20.961MF/12		(21.961MF/12)		20.962M/12		(21.962M/12)		20.962MF/12		(21.962MF/12)		21.980M/12		21.990M/10	

Plugs for PCB Socket Terminal Blocks (Screwless)



Pitch

Höhe

Pas

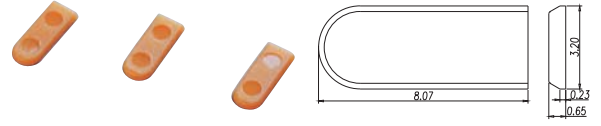
Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici	UL	IEC	UL	IEC
Rated voltage	Nennspannung	Tension assignée	Tensione nominale	300V	130V	300V	250V
Rated current	Nennstrom	Courant assigné	Corrente nominale	8A	8A	12A	12A
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo	1.5mm ²		2.5mm ²	
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)	28-16		24-12	
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)	28-16		24-12	
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteution nominale (max)	Sovratensione nominale (max)	1.6/1.25kV		1.6/2kV	
Torque (Nm)	Drehmoment	Couple	Coppia				
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo	7-8mm		12-13mm	
Part no.	Artikelbez	Numéro d'identification	Part. No.				
Pole	Pol	Pôle	Polo	21.1551MF/2		21.957M/2	
				21.1551MF/18		21.957M/24	

21.1551MF	21.957M		
3.81mm	5.08mm		
UL	IEC	UL	IEC

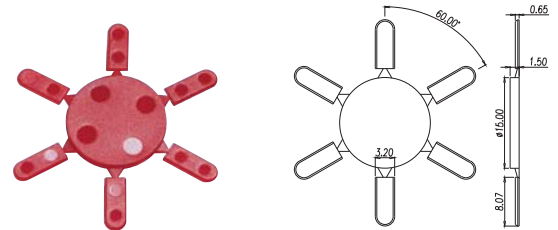
20.955M		21.955M		20.965M		21.965M	
5.00mm (5.08mm)		7.50mm (7.62mm)					
UL	IEC	UL	IEC				
300V	250V	300V	450V				
15A	12A	15A	12A				
2.5mm ²		2.5mm ²					
28-12		28-12					
1.6/2/4kV		1.6/2.5/4kV					
10-11mm		10-11mm					
20.955M/2	(21.955M/2)	20.965M/2	(21.965M/2)				
20.955M/24	(21.955M/24)	20.965M/24	(21.965M/24)				

900CP Key code for 900 Series Plugs

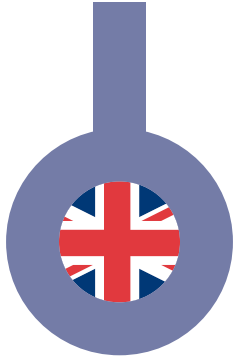


Part No: 21.950M/CP

900CP Key code for 900 Series Plugs



Part No: 21.950M/6CP



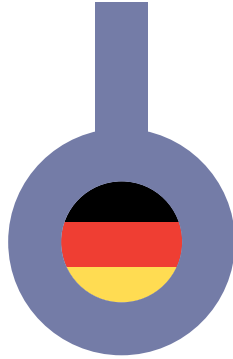
Mini Screwless, or push-fit, use a simple spring type clamp mechanism. The IMO 4000 and 5000 series terminal products are available with 2.54mm, 3.81mm, 3.96mm, 5.00mm, 7.50mm, 7.62mm pitches and allow ferruled or solid wires to be inserted into the block directly without the assistance of a lever. Flexible wires can also be accommodated within the block by the use of the lever to assist in the clamping action.

Within the 4000 and 5000 series range there is also a no-lever design which reduces the height of the housing for applications with limited space.

Removal of wire, is also easily facilitated, by pressing down the clamp with a screwdriver. Most of the screwless type terminals are assembled using single-pole units that allows for easy assembly of extended length product.

These products are designed according to IEC 60998 and UL 5059 standards, and the devices are UL and VDE approved.

The convenient wire connection method of this product is suitable for telecommunication systems, lighting systems, security and architectural wiring.



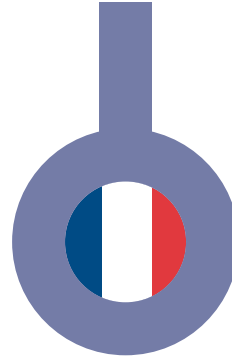
Die Einsteck-Klemmleisten aus der Reihe „Mini Screwless“ verwenden einen simplen Federklemmenmechanismus. Die Produkte aus den IMO Reihen 4000 und 5000 sind mit Rasterabständen von 2,54mm; 3,81mm; 3,96mm; 5,00mm; 7,50mm und 7,62mm erhältlich und ermöglichen den Anschluss von Volldrähten und Drähten mit Aderendhülse ohne Hebel. Aber auch Litzen können mit Hilfe des Hebels an diese Klemmleisten angeschlossen werden.

Innerhalb der Reihen 4000 und 5000 gibt es jedoch auch eine hebelfreie Ausführung die aufgrund der geringeren Höhe für beengte Platzverhältnisse geeignet ist.

Das Abziehen der Drähte geschieht ganz einfach indem man mit einem Schraubenzieher auf die Feder drückt. Die meisten schraubenlosen Klemmleisten sind einpolig ausgeführt und können leicht zu beliebigen Längen zusammengestellt werden.

Diese Produkte entsprechen den Anforderung nach IEC 60998 und UL 5059 und sind durch UL und VDE zugelassen.

Durch den unkomplizierten Anschluss eignen sich diese Produkte vornehmlich für Telekommunikationsanlagen, Beleuchtungs- und Sicherheitssysteme sowie für die Gebäudeverdrahtung.



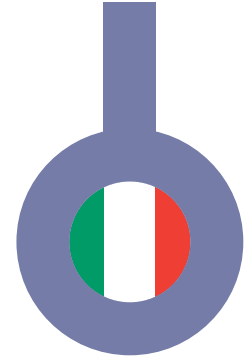
Le mini-bornier sans vis, ou encliquable, utilise un simple mécanisme de blocage par ressort. Les produits des séries IMO 4000 et 5000 existent avec des pas de 2,54 mm, 3,81 mm, 3,96 mm, 5 mm, 7,50 mm, 7,62 mm et permettent d'insérer des câbles à bagues ou pleins directement dans le bornier sans l'assistance d'un levier. Ils peuvent aussi accepter des câbles souples grâce à un levier qui facilite l'action de blocage.

Les gammes 4000 et 5000 proposent aussi un produit sans levier avec une hauteur de logement réduite pour les applications avec un espace restreint.

Le retrait du câble est également facilité : il suffit d'appuyer sur la bride de blocage avec un tournevis. La plupart des borniers sans vis sont montés avec des unités monopolaires qui permettent de monter facilement un produit plus long.

Ces produits sont conformes aux normes IEC 60998 et UL 5059 et sont homologués UL et VDE.

Le système de connexion pratique de ce produit le rend idéal pour les systèmes de télécommunications, d'éclairage, de sécurité et de câblage dans le bâtiment.



Le mini morsettiere a innesto senza viti, utilizzano un semplice meccanismo di bloccaggio a molla. Le morsettiere delle serie IMO 4000 e 5000 sono disponibili in passi di 2,54 mm; 3,81 mm; 3,96 mm; 5,00 mm, 7,50 mm e 7,62 mm e consentono l'innesto di conduttori rigidi o con capocorda direttamente nel morsetto senza l'impiego della levetta. È possibile l'inserimento, anche di conduttori flessibili, utilizzando l'apposita levetta per facilitarne il bloccaggio.

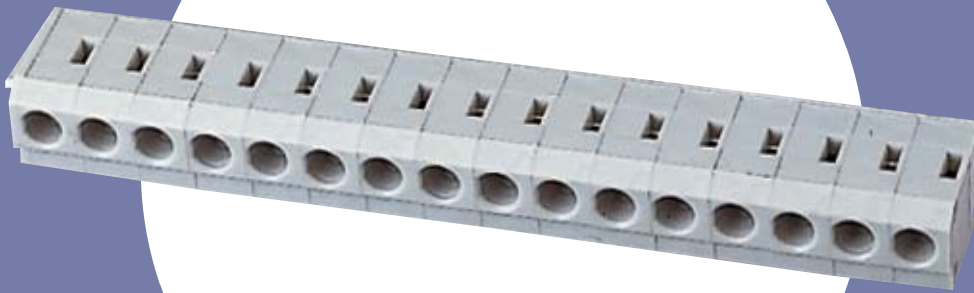
Le serie 4000 e 5000 prevedono anche modelli senza levetta con profilo ridotto, per tutte le applicazioni in cui lo spazio è limitato.

L'estrazione del conduttore, è facilitata dalla pressione sulla molla con un cacciavite. La maggior parte dei morsetti senza viti, consiste di unità unipolari che consentono la facile configurazione di prodotti con il numero di poli desiderato.

Questi prodotti, sono progettati in conformità con le normative IEC 60998 e UL 5059 e sono omologati UL e VDE.

Il comodo metodo di connessione del conduttore in questi prodotti li rende ideali per l'utilizzo in applicazioni di telecomunicazioni, illuminazione, sicurezza e ingegneria civile.

Screwless Terminal Blocks (Push Fit)
Schraublose Klemmleisten (Gleitsitz)
Borniers sans vis (à pression)
Morsetti senza vite a pressione



Screwless Terminal Blocks (Push Fit)



Pitch

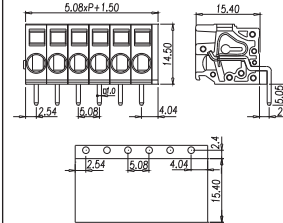
Höhe

Pas

Passo

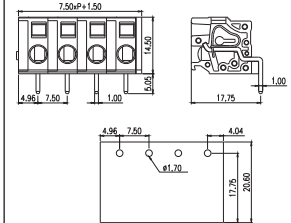
Technical data	Technische Daten	Documentation technique	Dati tecnici	UL	IEC	UL	IEC
Rated voltage	Nennspannung	Tension assignée	Tensione nominale	300V	450V	300V	450V
Rated current	Nennstrom	Courant assigné	Corrente nominale	14A	12A	14A	12A
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo	1.5mm ²		2.5mm ²	
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)	28-14		28-12	
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)	28-12		28-12	
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)	1.6/2.5/4kV		1.6/2.5/4kV	
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo	8-9mm		8-9mm	
Part no.	Artikelbez	Numéro d'identification	Part. No.	21.4200M/2		21.4201M/2	
Pole	Pol	Pôle	Polo	21.4200M/24		21.4201M/24	

21.4200M



5.08mm

21.4201M



7.50mm



Pitch

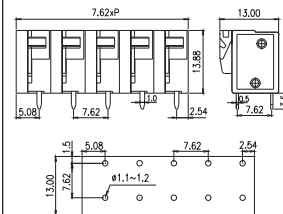
Höhe

Pas

Passo

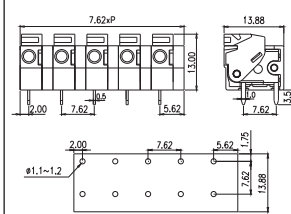
Technical data	Technische Daten	Documentation technique	Dati tecnici	UL	IEC	UL	IEC
Rated voltage	Nennspannung	Tension assignée	Tensione nominale	300V	750V	300V	750V
Rated current	Nennstrom	Courant assigné	Corrente nominale	10A	12A	10A	12A
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo	2.5mm ²		2.5mm ²	
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)	22-14		22-14	
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)	22-14		22-14	
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)	1.6/3/4kV		1.6/3/4kV	
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo	6-7mm		6-7mm	
End cover	Endabdeckung	Plaque d'extrémité	Copertura				
Part no.	Artikelbez	Numéro d'identification	Part. No.	21.5500M/2		21.5600M/2	
Pole	Pol	Pôle	Polo	21.5500M/24		21.5600M/24	

21.5500M



7.62mm

21.5600M



7.62mm

21.4200MF		21.5100M		21.5200M		21.5300M		21.5400M	
5.08mm		2.54mm		2.54mm		5.08mm		5.08mm	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	450V	150V	130V	150V	130V	300V	450V	300V	450V
14A	12A	2A	4A	2A	4A	10A	16A	10A	16A
1.5mm ²		0.5mm ²		0.5mm ²		2.5mm ²		2.5mm ²	
28-14		26-20		26-20		22-14		22-14	
1.6/2.5/4kV		1.3/1.25/2kV		1.3/1.25/2kV		1.6/2.5/4kV		1.6/2.5/4kV	
8-9mm		9-10mm		9-10mm		6-7mm		6-7mm	
21.4200MF/2		21.5100M/2		21.5200M/2		21.5300M/2		21.5400M/2	
21.4200MF/24		21.5100M/24		21.5200M/24		21.5300M/24		21.5400M/24	

21.4200M		21.4300M		20.4100M		20.4400M		21.4102M	
3.81mm		3.96mm		5.00mm		7.50mm		3.81mm	
UL	IEC	UL	IEC	UL	IEC	UL	IEC	UL	IEC
300V	250V	300V	250V	300V	450V	300V	450V	300V	250V
10A	17.5A	10A	17.5A	10A	24A	10A	24A	10A	17.5A
1.5mm ²		1.5mm ²		2.5mm ²		2.5mm ²		1.5mm ²	
20-14		20-14		20-14		20-14		20-14	
1.6/2/4kV		1.6/2/4kV		1.6/2.5/4kV		1.6/2.5/4kV		1.6/2/4kV	
6-7mm		6-7mm		6-7mm		6-7mm		6-7mm	
21.4200EP		21.4300EP		20.4100EP		20.4400EP		21.4102EP	
21.4200M/2		21.4300M/2		20.4100M/2		20.4400M/2		21.4102M/2	
21.4200M/24		21.4300M/24		20.4100M/24		20.4400M/24		21.4102M/24	

Screwless Terminal Blocks (Push Fit)



Pitch

Höhe

Pas

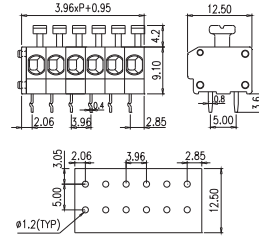
Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici	UL	IEC	UL	IEC
Rated voltage	Nennspannung	Tension assignée	Tensione nominale	300V	250V	300V	450V
Rated current	Nennstrom	Courant assigné	Corrente nominale	10A	17.5A	10A	24A
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo	1.5mm ²		2.5mm ²	
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)	20-14		20-14	
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)	20-14		20-14	
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteution nominale (max)	Sovratensione nominale (max)	1.6/2/4kV		1.6/2.5/4kV	
Wire Strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo	6-7mm		6-7mm	
End cover	Endabdeckung	Plaque de d'extrémité	Copertura	21.4103EP		20.4101EP	
Part no.	Artikelbez	Numéro d'identification	Part. No.				
Pole	Pol	Pôle	Polo	21.4103M/2		20.4101M/2	
				21.4103M/24		20.4101M/24	

21.4103M



v f

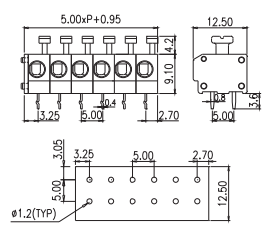


3.96mm

20.4101M

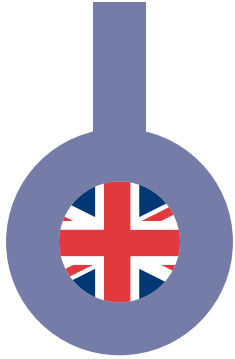


UL v f



5.00mm

21.4104M		20.4500M		20.4105M	
 7.50mm		 5.00mm		 7.50mm	
UL	IEC	UL	IEC	UL	IEC
300V	450V	300V	450V	300V	750V
10A	24A	10A	12A	10A	12A
2.5mm ²		0.75mm ²		0.75mm ²	
20-14		24-18		24-18	
20-14		24-18		24-18	
1.6/2.5/4kV		1.6/3/3kV		1.6/3/3kV	
6-7mm		9-10mm		9-10mm	
21.4104EP		21.4500EP		21.4105EP	
21.4104M/2		20.4500M/2		20.4105M/2	
21.4104M/24		20.4500M/24		20.4105M/24	

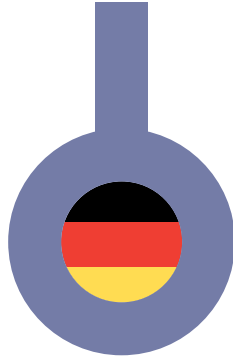


The IMO 3000 series are a PCB product that uses a spring clamp terminal as the fixture for the wire connections and this product type is convenient to use and offers a maintenance free, anti-vibration highly reliable connection method.

The 3000 series is offered in pitches of 2.50mm, 2.45mm, 5.00mm, 5.08mm, 7.50mm, 7.62mm, 10.00mm and 10.16 mm and with three wire entry directions, 90°, 135°, and 180°C. For higher density wiring, for applications requiring limited space, IMO have product using two-level, three-level, and four-level connection rows.

The product is in conformance with IEC 60998 and UL 1059 international standards.

The screwless cage clamp terminal blocks are suitable for use with solid, stranded or ferruled wires and therefore are used widely in many applications in the industrial distribution and electrical equipment fields.



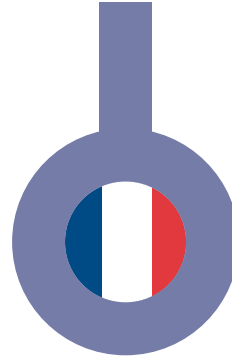
Die IMO Reihe 3000 ist für Platinen geeignet und verwendet Federklemmen zum Anschluss der Drähte. Dadurch ist dieses Produkt unkompliziert im Einsatz, wartungsfrei, vibrationsicher und äußerst zuverlässig.

Die Reihe 3000 gibt es mit Rasterabständen von 2,50mm; 2,45mm; 5,00mm; 5,08mm; 7,50mm; 7,62mm; 10,00mm und 10,16 mm mit Kabeleinführung im Winkel von 90°, 135° und 180°C. Bei beengten Platzverhältnissen kann durch den Einbau auf 2, 3 oder 4 Ebenen eine höhere Kabeldichte erreicht werden.

Dieses Produkt entspricht den internationalen Normen IEC 60998 und UL 1059.

Die schraubenlosen „Cage Clamp“ Reihenklammern eignen sich für den Einsatz mit Volldrähten, Litzen und Aderendhülsen und sind daher in vielen

Bereichen (Kabelverteiler, elektrische Geräte) einsetzbar.

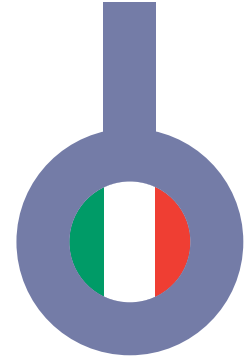


Les produits de la série IMO 3000 sont des connecteurs de carte de circuit imprimé qui utilisent une bride de blocage à ressort pour les connexions de câble pratiques à utiliser, et qui offrent un système sans entretien et anti-vibration extrêmement fiable.

Les produits de la série 3000 existent avec des pas de 2,50 mm, 2,45 mm, 5 mm, 5,08 mm, 7,50 mm, 7,62 mm, 10 mm et 10,16 mm avec une entrée de câble à 90°, 135°, et 180°C. Pour un câblage de plus forte densité, pour les applications réclamant un espace restreint, IMO propose des produits avec baies de connexion à deux, trois et quatre niveaux.

Ces produits sont conformes aux normes internationales IEC 60998 et UL 1059.

Les borniers sans vis en cage d'écureuil et bride de blocage à ressort conviennent pour les câbles pleins, divisés ou bagués et ils sont donc largement utilisés dans de nombreuses applications dans les secteurs de la distribution industrielle et de l'équipement électrique.



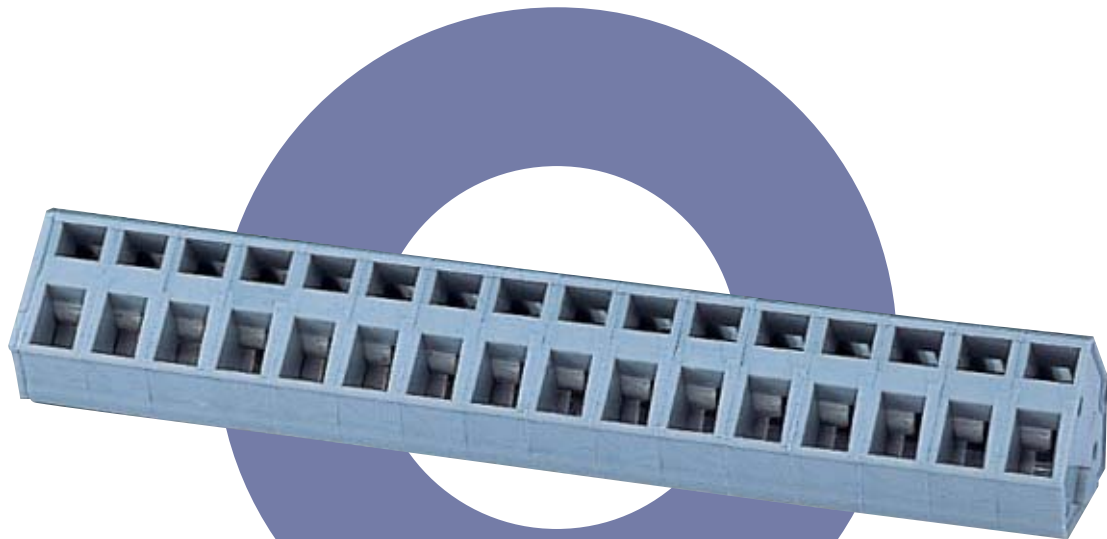
La serie IMO 3000 è un prodotto per circuito stampato, che utilizza un sistema a molla per il bloccaggio del conduttore. Questo prodotto, è di comodo utilizzo e fornisce un metodo di connessione che non richiede manutenzione, resistente alle vibrazioni e altamente affidabile.

La serie 3000, è disponibile con passi di 2,50 mm; 2,45 mm; 5,00 mm; 5,08 mm; 7,50 mm; 7,62 mm; 10,00 mm e 10,16 mm con entrata conduttore a 90°, 135° o 180°C. Per cablaggi ad alta densità, o per applicazioni in cui lo spazio è limitato, sono disponibili modelli a due, tre e quattro livelli di connessioni.

Il prodotto è conforme alle normative internazionali IEC 60998 e UL 1059.

Le morsettiere senza viti con molla a gabbia sono adatte all'uso con conduttori rigidi, a treccia o con capocorda e sono quindi ampiamente utilizzate in applicazioni di distribuzione industriale e in apparecchiature elettriche.



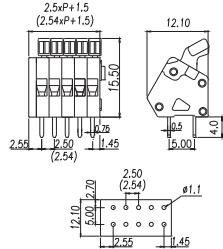
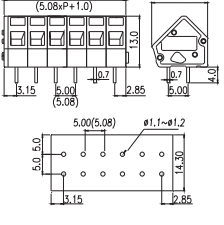
Screwless Terminal Blocks (Cage Clamp)
Schraublose Klemmleisten (Käfigklammer)
Borniers sans vis à entrée rapide
Morsetti senza vite a gabbia



Screwless Terminal Blocks (Cage Clamp)



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Wire strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Single Pole without Endcover	Einzelpol ohne Endabdeckung	Pôle simple sans plaquette d'extrémité	Polo singolo senza copertura
End cover	Endabdeckung	Plaquette d'extrémité	Copertura
Poles	02	Pols	02
	03	Pôles	02
	03		03
	04		03
	04		04
	05		04
	05		05
	06		05
	06		06
	07		06
	07		07
	08		07
	08		08
	09		08
	09		09
	10		09
	10		10
	11		10
	11		11
	12		11
	12		12
Optional colour	1	Farbe wunschgemäß	1
	1	Choix de couleurs	1
	1	Colori disponibili	1
	1		1
	1		1
	1		1
	1		1



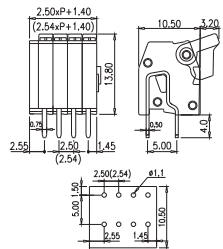
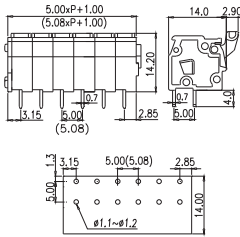
20.3003M	21.3003M	20.3000M	21.3000M
			
			
2.50mm (2.54mm)		5.00 (5.08mm)	
UL	IEC	UL	IEC
300V	130V	300V	450V
4A	6A	15A	24A
0.5mm ²		2.5mm ²	
28-20		28-12	
1.6/1.25/2kV		1.6/2.5/3kV	
5-6mm		5-6mm	
20.3003M/1	(21.3003M/1)	20.3000M/1	(21.3000M/1)
20.33EP		20.30EP	
20.3003M/2	(21.3003M/2)	20.3000M/2	(21.3000M/2)
20.3003M/3	(21.3003M/3)	20.3000M/3	(21.3000M/3)
20.3003M/4	(21.3003M/4)	20.3000M/4	(21.3000M/4)
20.3003M/5	(21.3003M/5)	20.3000M/5	(21.3000M/5)
20.3003M/6	(21.3003M/6)	20.3000M/6	(21.3000M/6)
20.3003M/7	(21.3003M/7)	20.3000M/7	(21.3000M/7)
20.3003M/8	(21.3003M/8)	20.3000M/8	(21.3000M/8)
20.3003M/9	(21.3003M/9)	20.3000M/9	(21.3000M/9)
20.3003M/10	(21.3003M/10)	20.3000M/10	(21.3000M/10)
20.3003M/11	(21.3003M/11)	20.3000M/11	(21.3000M/11)
20.3003M/12	(21.3003M/12)	20.3000M/12	(21.3000M/12)
20.3003M/xx-GN	(21.3003M/xx-GN)	20.3000M/xx-GN	(21.3000M/xx-GN)
20.3003M/xx-RD	(21.3003M/xx-RD)	20.3000M/xx-RD	(21.3000M/xx-RD)
20.3003M/xx-BL	(21.3003M/xx-BL)	20.3000M/xx-BL	(21.3000M/xx-BL)
20.3003M/xx-BK	(21.3003M/xx-BK)	20.3000M/xx-BK	(21.3000M/xx-BK)
20.3003M/xx-OR	(21.3003M/xx-OR)	20.3000M/xx-OR	(21.3000M/xx-OR)

Note: When ordering 20/21.30 xxM/2, 3... comes complete with end plate

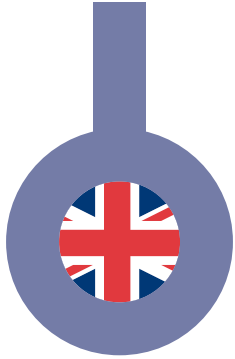
Screwless Terminal Blocks (Cage Clamp)



Pitch	Höhe	Pas	Passo
Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht (AWG)	Fil rigide (AWG)	Cavo rigido (AWG)
Stranded wire (AWG)	Normaldraht (AWG)	Fil standard (AWG)	Cavo standard (AWG)
Rated surge voltage (UL/IEC/max)	Bemessungsstossspannung (max)	Surteintion nominale (max)	Sovratensione nominale (max)
Wire strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza spellaggio cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
Single Pole without Endcover	Einzelpol ohne Endabdeckung	Pôle simple sans plaquette d'extrémité	Polo singolo senza copertura
End cover	Endabdeckung	Plaquette d'extrémité	Copertura
Poles	02	Pols	02
	03	Pôles	03
	04		04
	05		05
	06		06
	07		07
	08		08
	09		09
	10		10
	11		11
	12		12
Optional colour	1	Farbe wunschgemäß	1
	1	Choix de couleurs	1
	1	Colori disponibili	1
	1		1
	1		1
	1		1

20.3004M	21.3004M	20.3101M	21.3101M
			
			
2.50mm (2.54mm)		5.00mm (5.08mm)	
UL	IEC	UL	IEC
300V	130V	300V	450V
4A	6A	15A	24A
0.5mm ²		2.5mm ²	
28-20		28-12	
		28-12	
1.6/1.25/2kV		1.6/2.5/4kV	
5-6mm		5-6mm	
20.3004M/1	(21.3004M/1)	20.3101M/1	(21.3101M/1)
20.33EP		20.31EP	
20.3004M/2	(21.3004M/2)	20.3101M/2	(21.3101M/2)
20.3004M/3	(21.3004M/3)	20.3101M/3	(21.3101M/3)
20.3004M/4	(21.3004M/4)	20.3101M/4	(21.3101M/4)
20.3004M/5	(21.3004M/5)	20.3101M/5	(21.3101M/5)
20.3004M/6	(21.3004M/6)	20.3101M/6	(21.3101M/6)
20.3004M/7	(21.3004M/7)	20.3101M/7	(21.3101M/7)
20.3004M/8	(21.3004M/8)	20.3101M/8	(21.3101M/8)
20.3004M/9	(21.3004M/9)	20.3101M/9	(21.3101M/9)
20.3004M/10	(21.3004M/10)	20.3101M/10	(21.3101M/10)
20.3004M/11	(21.3004M/11)	20.3101M/11	(21.3101M/11)
20.3004M/12	(21.3004M/12)	20.3101M/12	(21.3101M/12)
20.3004M/xx-GN	(21.3004M/xx-GN)	20.3101M/xx-GN	(21.3101M/xx-GN)
20.3004M/xx-RD	(21.3004M/xx-RD)	20.3101M/xx-RD	(21.3101M/xx-RD)
20.3004M/xx-BL	(21.3004M/xx-BL)	20.3101M/xx-BL	(21.3101M/xx-BL)
20.3004M/xx-BK	(21.3004M/xx-BK)	20.3101M/xx-BK	(21.3101M/xx-BK)
20.3004M/xx-OR	(21.3004M/xx-OR)	20.3101M/xx-OR	(21.3101M/xx-OR)

Note: When ordering 20/21.3 xxxM/2, 3... comes complete with end plate

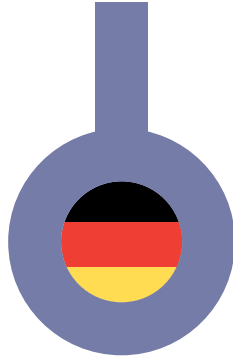


New to the IMO PCB terminal block range is the PCB carriers, allowing PCB's to be mounted directly to din rail.

PCB-CAR1 and 2 are supplied fully assembled, accepting PCB sizes 72mm and 107mm wide and PCB lengths from 20mm to 200mm.

PCB-CAR3 to 6 allows the customer to make up there own custom carrier with maximum PCB lengths to 2m.

Modules can be mounted onto all commercially available DIN rail.

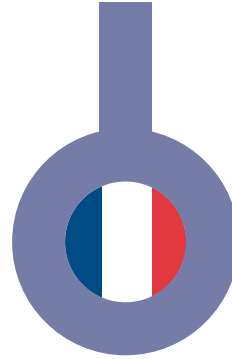


Neu im IMO Klemmleisten-Produktprogramm sind die Platinenrahmen, die eine direkte Montage der Platine auf der DIN-Schiene ermöglichen.

PCB-CAR1 und 2 werden vollständig montiert geliefert und können Platinenbreiten von 72 mm und 107 mm bei einer Länge von 20 mm bis 200 mm aufnehmen.

PCB-CAR3 bis 6 ermöglichen es dem Kunden einen eigenen Rahmen zu erstellen, der für Platinen bis zu 2 m Länge geeignet ist.

Die Module können auf alle handelsüblichen DIN-Schienen montiert werden.

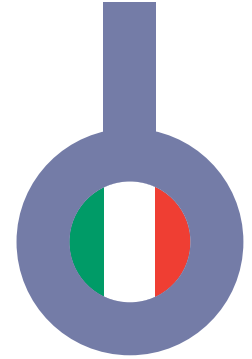


Les supports pour circuits imprimés viennent d'être ajoutés à la gamme de borniers de circuit imprimé IMO ; ils permettent de monter directement un circuit imprimé sur rail DIN.

Les produits PCB-CAR1 et 2 sont fournis entièrement montés et acceptent des cartes de 72 mm et 107 mm de large, et de 20 mm à 200 mm de long.

Les produits PCB-CAR3 à 6 permettent au client de fabriquer son propre support de carte jusqu'à une longueur maximale de 2 m.

Les modules peuvent être montés sur tous les rails DIN disponibles dans le commerce.



Una novità nella gamma di morsettiere per circuiti stampati IMO, i supporti per basette da circuito stampato (PCB) consentono il montaggio di circuiti stampati direttamente su guide DIN.

I modelli PCB-CAR1 e 2 sono forniti già assemblati, per l'utilizzo con PCB di larghezza 72 mm e 107 mm e di lunghezza compresa fra 20 mm e 200 mm.

I modelli PCB-CAR3 ~ 6 consentono, la realizzazione di supporti personalizzati per l'uso con PCB di lunghezza massima di 2 m.

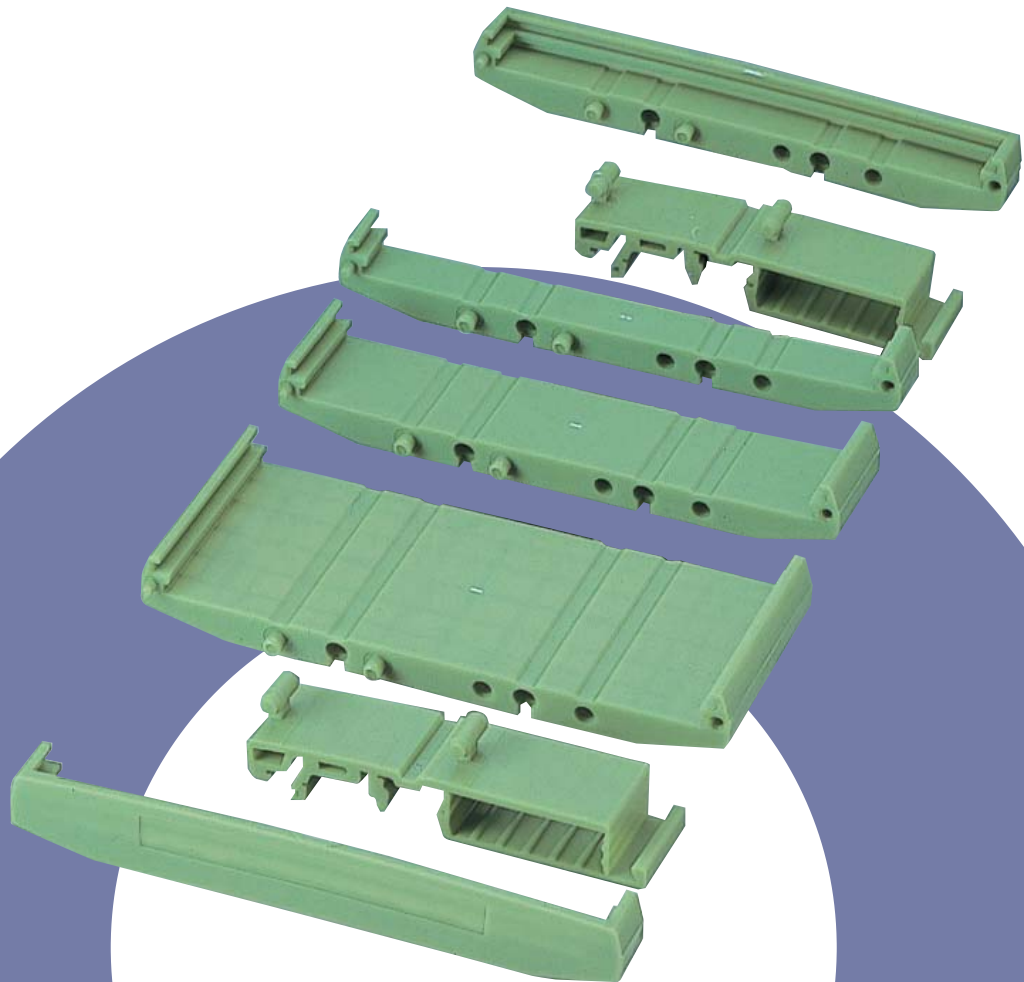
I moduli, possono quindi essere montati su guide DIN standard disponibili in commercio.

PCB Carriers

PCB Träger

Support pour Circuits Imprimé

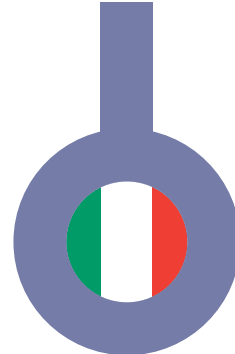
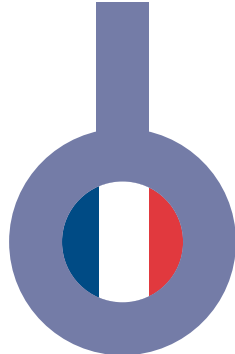
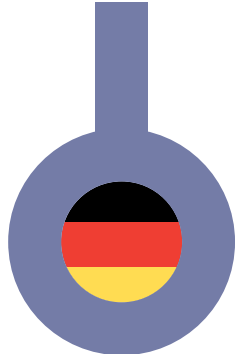
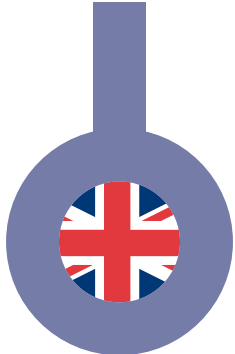
Supporti per circuito stampato



PCB Carriers

PCB-CAR1				PCB-CAR2			
Housing		PCB		Housing		PCB	
Part no.	Width	Length	Width	Length	Part no.	Width	Length
PCB-CAR1-0	77.5	22.5	72	20	PCB-CAR1-0	77.5	22.5
PCB-CAR1-1	77.5	33.7	72	31.25	PCB-CAR1-1	77.5	33.7
PCB-CAR1-2	77.5	45	72	42.5	PCB-CAR1-2	77.5	45
PCB-CAR1-3	77.5	56.2	72	53.75	PCB-CAR1-3	77.5	56.2
PCB-CAR1-4	77.5	67.5	72	65	PCB-CAR1-4	77.5	67.5
PCB-CAR1-5	77.5	78.7	72	76.25	PCB-CAR1-5	77.5	78.5
PCB-CAR1-6	77.5	90	72	87.5	PCB-CAR1-6	77.5	90
PCB-CAR1-7	77.5	101.2	72	98.75	PCB-CAR1-7	77.5	101.2
PCB-CAR1-8	77.5	112.5	72	110	PCB-CAR1-8	77.5	112.5
PCB-CAR1-9	77.5	123.7	72	121.25	PCB-CAR1-9	77.5	123.7
PCB-CAR1-10	77.5	135	72	132.5	PCB-CAR1-10	77.5	135
PCB-CAR1-11	77.5	146.2	72	143.75	PCB-CAR1-11	77.5	146.2
PCB-CAR1-12	77.5	157.5	72	155	PCB-CAR1-12	77.5	157.5
PCB-CAR1-13	77.5	168.7	72	166.25	PCB-CAR1-13	77.5	168.7
PCB-CAR1-14	77.5	180	72	177.5	PCB-CAR1-14	77.5	180
PCB-CAR1-15	77.5	191.2	72	188.75	PCB-CAR1-15	77.5	191.2
PCB-CAR1-16	77.5	202.5	72	200	PCB-CAR1-16	77.5	202.5

PCB-CAR3		PCB-CAR4		PCB-CAR5		PCB-CAR6	
Assembled	Part No.	Assembled	Part No.	Assembled	Part No.	Assembled	Part No.
Spacer Length (mm)		Spacer Length (mm)		Spacer Length (mm)		Spacer Length (mm)	
60	PCB-CAR3/60	60	PCB-CAR4/60	60	PCB-CAR5/60	60	PCB-CAR6/60
↓		↓		↓		↓	
200	PCB-CAR3/2000	200	PCB-CAR4/2000	200	PCB-CAR5/2000	200	PCB-CAR6/2000



These are small panel mounting type terminal blocks available in 2.5mm², 4mm² and 10mm² sizes. The standard single units can be combined together using the heavy duty buckles and spaces in order to make different length products; whilst, the versatility of this series allows four the 2.5mm² and 4mm² products to be mixed and assembled together. The ERMB series can accommodate the standard marking labels for identification of the blocks when wiring.

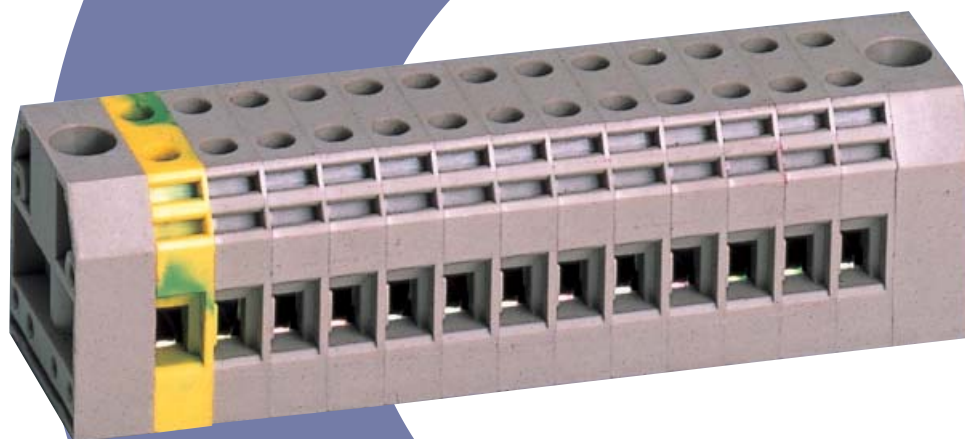
Dies sind kleine Klemmleisten zur Tafelmontage in den Größen 2,5mm²; 4mm² und 10mm². Die Standardeinzelstücke können unter Verwendung der robusten Bügel und Abstandshalter zu verschiedenen Längen zusammengefügt werden. Die vielseitige Konstruktion ermöglicht zudem die gemischte Zusammenstellung von vier Komponenten mit den Größen 2,5mm² und 4mm². Die ERMB Reihe ist für Standardetiketten zwecks Kennzeichnung der Verdrahtung ausgelegt.

Cette série comprend des petits borniers pour montage en armoire disponibles en 2,5 mm², 4 mm² et 10 mm². Les unités simples standard peuvent se combiner à l'aide de languettes robustes pour obtenir des produits de différentes longueurs ; la flexibilité de cette série permet de mélanger et d'assembler des produits de 2,5 mm² et de 4 mm². La série ERMB accepte les étiquettes standard pour identifier les borniers pendant le câblage.

Morsettiere di ridotte dimensioni per montaggio a pannello, disponibili in taglie da 2,5 mm²; 4 mm² e 10 mm². Le singole morsettiere standard possono essere accoppiate mediante appositi fermagli e separatori per ottenere prodotti della lunghezza desiderata. La grande versatilità di questa serie, consente di abbinare insieme i modelli da 2,5 mm² e 4 mm². La serie ERMB, consente l'utilizzo di etichette di marcatura standard per l'identificazione dei cablaggi sui blocchetti.



Panel Mounting Terminal Blocks
Schalttafelmontierbare Klemmleisten
Borniers pour montage en armoire
Morsetti per montaggio a pannello



Panel Mounting Terminal Blocks



Pitch

Höhe

Pas

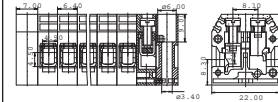
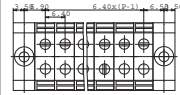
Passo

Technical data	Technische Daten	Documentation technique	Dati tecnici
Rated voltage	Nennspannung	Tension assignée	Tensione nominale
Rated current	Nennstrom	Courant assigné	Corrente nominale
Wire range	Drahtbereich	Gamme des fils	Tipi di cavo
Solid wire (AWG)	Massivdraht	Fil rigide (AWG)	Cavo rigido
Stranded wire (AWG)	Normaldraht	Fil standard (AWG)	Cavo standard
Insulation withstand voltage	Isolierungsspannungsfestigkeit	Tension de tenue d'isolement.	Tensione di tenuta d'isolamento
Torque (Nm)	Drehmoment	Couple	Coppia
Screw	Schraube	Vis	Vite
Wire strip length	Drahtabisolierlänge	Longueur isolée du fil	Lunghezza di spellaggio del cavo
Part no.	Artikelbez	Numéro d'identification	Part. No.
End Plate	Endplatte	Plaquette d'extrémité	Paretina
Marking Label	Markierungsetikett	Étiquette de marquage	Traghetta Indicativa
Pole	Pol	Pôle	Polo

ERMB 2.5



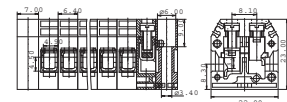
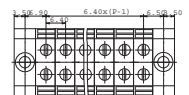
CAUS



ERMB 4



CAUS



UL

IEC

UL

IEC

300V

400V

300V

400V

20A

24A

30A

34A

2.5mm²

4mm²

22-12

22-10

22-12

22-10

2kv

2kv

0.4

0.8

M2.5

M3

6-8mm

6-8mm

ERMB 2.5-EP

ERMB 4-EP

ERMB 2.5-ML

ERMB 4-ML

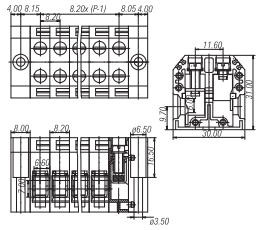
ERMB 2.5-2

ERMB 4-2

ERMB 2.5-12

ERMB 4-12

ERMB 10



UL	IEC
300V	400V
45A	57A

10mm²

22-8

22-8

2kv

1.8

M4

9-11mm

ERMB 10-EP

ERMB 10-ML

ERMB 10-2

ERMB 10-12

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Rising Clamp

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21.98MH	32
21.98MHR	32
21.99MH	32
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21.95MS	32
21.95MSF	33
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20.1500M	21.1500M	42
20.1500MF	21.1500MF	42
20.1510M	21.1510M	42
20.1510MF	21.1510MF	42
20.950M	21.950M	42
20.970M	21.970M	42
20.970MF	21.970MF	42
20.910M	21.910M	42
20.910MF	21.910MF	42
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21.920MF	21.920MF	43
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20.956MV	21.956MV	44
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20.6003M	21.6003M	60
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PCB

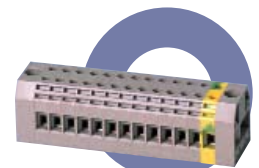
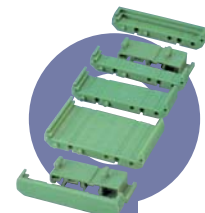
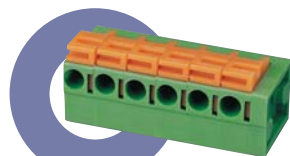
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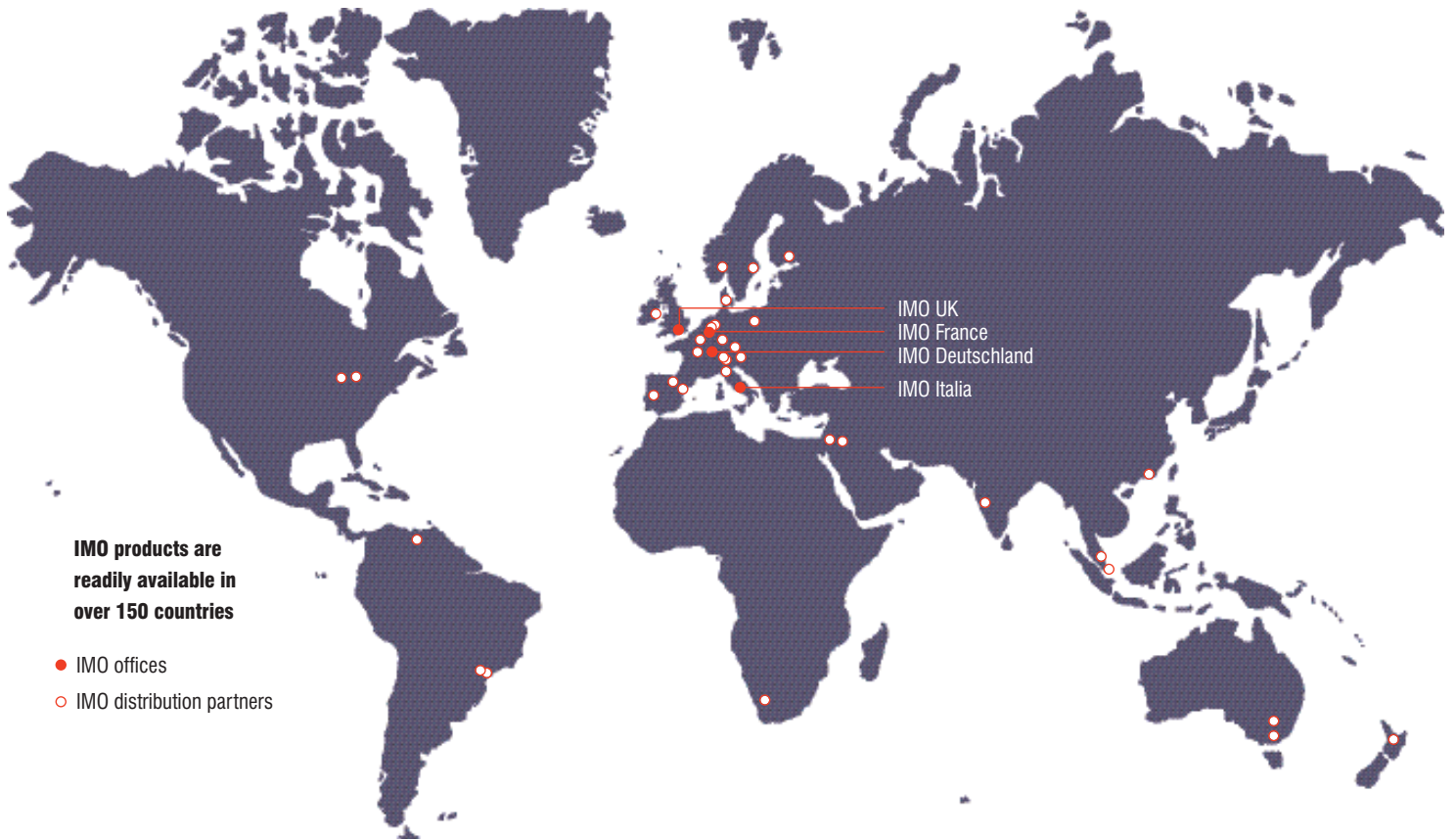
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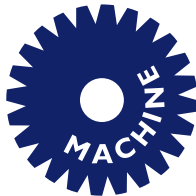


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