

Amphenol



**Interconnect
Solutions
for
the Railway
Market**



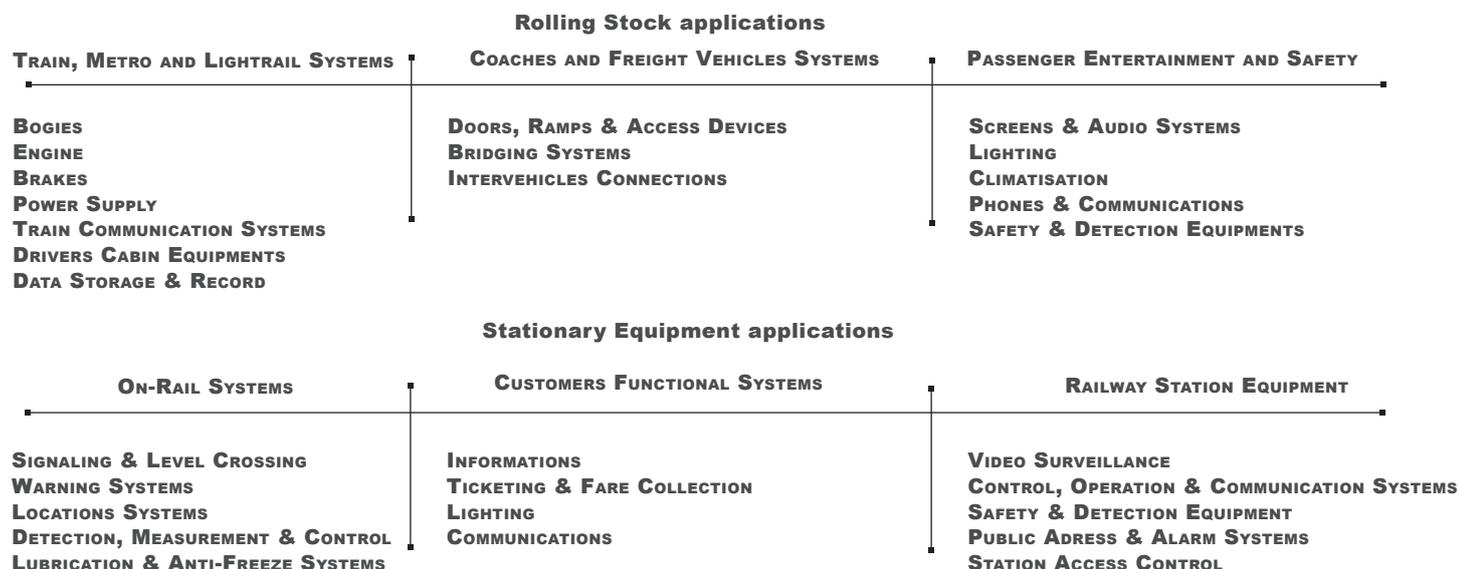
Amphenol, We CONNECT THE WORLD OF RAIL

Interconnect products and solutions has always been the domain of excellence of Amphenol. As the world's leading supplier of connections systems for military, aerospace and industry applications, we dedicate this experience to integrate our innovative solutions in the railway market. We are able to meet and exceed customer expectations with our committed, experienced personnel and with our use of the most advanced facilities and technologies available, from project planning to inspection.

As a leading, innovative, global player in Interconnection and Interface Technologies we are constantly in touch with our customers in an effort to provide them with the best solutions for their application requirements. The skill of Amphenol is to innovate constantly, for this reason we design, manufacture and propose the largest choice of interconnect solutions. Amphenol products are supplied to the most reputed Railways OEMs over the world for rolling stock, and also for stationary equipment application.

Railways & Mass Transit

Every Railway & Mass Transit Application is supported with **Amphenol** dedicated products.





POWERFUL & RELIABLE CONNECTORS

GT SERIES

Designed originally for use by the military, the GT connector is now the preferred connector for mass transit. As Amphenol's GT Series has created many solutions and produced numerous benefits for the Rail/Mass Transit industry, Rail/Mass Transit is become GT's largest customer. The GT Interconnect Family is a high performance, high power, rugged sealed connector that use the same installation dimensions and contact arrangements as connectors according to Mil-C-5015. They are provided with reverse bayonet coupling and ondul washer, which guarantee a fast and effortless locking/unlocking. They offer a high reliability, a shielding effectiveness and are waterproof. Resistant to vibrations and shocks. Internateable will all VG95234 connectors.



APRB

This serie is an enhanced version of the VG 95234 connector standard but remain completely intermatable with VG 95234: MS5015 reverse bayonet connectors. The connector serie is conform with the French Railway standard NFF 61-030. The connector is used with suitable accessories, a grommet or a sealed back-shell and allow 2.000 mating cycles.



C146 SERIES

The series C146 connectors, also known as Heavy Duty connectors, are rectangular interconnections designed for applications in harsh industrial environments. Between 3 and 280 contacts can be kept in one housing, this makes the series especially suitable for multi-pole applications. The C146 series consists of 14 sub series and offer a huge number of variations. The Modular System (C146M) allows signal, power, pneumatic, coax and Ethernet connections in one connector into individual customer-specific arrangement. Amphenol use only the highest quality materials, ensuring our products are of the highest standard and fully suitable for use in the demanding Rail industry field. Secure signal and power transfer is ensured through numerous tests.



PT / 451 / MIL-C-26482

Miniature, robust and cylindrical bayonet connector available in solder or crimp versions. Rugged shells very suitable for harsh ground applications. The series 2 is available with rear removable contacts sizes AWG20 to AWG12 as crimp or PCB. Hermetic and SS versions available.



ECTA 133 & 544

The circular connector ECTA 133 is a metallic Push-Pull coupling connector qualified according IP66/67 (IP69K possible). This serie authorize signal and/or power transmission up to 1000V and 125A and is also available with 5000 mating cycles and 1000h saltspray test. Because of its convenient push-pull coupling mechanism the ECTA133 can be used for all applications with many mating and unmating cycles where a threaded coupling would consume too much time. The housings and contact layouts can be custom-designed. The 544 serie offer a range of plastic circular connectors for industrial applications. Available are: 3 shell sizes, 11 contact arrangements from 3 to 27 contacts up to 25 A and 1000V.



JT/LT/SJT / MIL DTL 38999 / VG96912 / JN1003

Light weight subminiature cylindrical connectors with bayonet coupling system. Very often used when space is an issue due to the very compact design of the shell, the most compact of all the 38999 Series. JT & SJT Series connectors are intermountable (same panel cut out) with Mil-C-26482. 9 Shell sizes, up to 128 contacts, including power patterns, Coax, Twinax, Triax, Differential Twinax, Quadax and Optical termini. SJT Series connectors are Scoop-proof for an optimal contacts protection.



ARCL

Designed for heavy duty applications, this MIL-C-5015 connector Serie base was modified with 38999 Series III type coupling. The dimensions, styles and performances equate to MIL-C-5015. Also designed for incorporation of 5015 low-smoke zero halogen inserts. This Serie exist in 5 Shell styles, 275 inserts patterns possibility to integrate Radsok® high amperage Sockets. A huge variety of backend accessories including over-molding and heat shrinkable boots.



MIL-C-5015

Environmental standard cylindrical connectors with threaded or reverse bayonet coupling. The higher performance is available with rear release crimp contacts in Aluminium or SS, with self-locking coupling for firewalls applications. Contacts sizes AWG16 through 0 are standard. 286 contact arrangements from 1 to 104 circuits possible. Radsok® high power versions are also available.



M12 PULSE-PLUS™ D CODED

Amphenol's Pulse Plus™ Connectors are 4-pin/socket connectors that automatically lock into place. With Pulse-Lok and Quick-Lok for visual, audible, and tactile mating confirmation, the Pulse Plus connectors are backwards compatible to M12 threaded plugs or quick mating Pulse-Plus™ plugs. Environmental Rated at IP65/IP67, the Pulse Plus™ are ideal for the harshest environments. Pulse-Plus™ is available as a complete overmolded cable assembly.



AS GTC SERIES

The AS GTC Serie is an environmental cylindrical reverse bayonet coupling connector with self-locking system, which guarantee a fast locking and unlocking. Designed specifically for the Railway and Mass Transit industry, the AS GTC family is a high performance, rugged sealed connector with water-proof IP67 rated, robust shells for high temperature resistance and resistant to vibrations & shocks. The inserts are available in plastic and the contacts obtainable in gold and silver plating. Zinc alloy plating possible.



POWER CONNECTORS

VORTEX GT SERIES

The Vortex GT series is a GT shell type connector with Reverse Bayonet Coupling with RADSOK® technology. This connector is designed specifically for delivering high power from source to load. The RADSOK®/S strongest benefit is its very low milli-volt drop and minimized temperature rise when transmitting high current up to 1000Amp and 600V.



POWER 38999

Initially developed for military applications, these connectors are ideal for the railway market, where mechanical and electrical reliability are required, in a minimum interspace. They are designed to ensure electrical power connections, for current of 60 A to 500 A. Derived from the MIL-DTL-38999 Series with the following crimp contacts : 60A, 100A, 230A, 500A. These power connectors are available in the following series : Mil-DTL-38999 series I & III (LJT& TV-CTV), VG96912 shells (SJT), PP39 (Push-Pull), and the RNJ & RNJLP rack and panel versions.



AMHTC SERIES

Amphenol "AMHTC". high tension connector series for railway vehicle installable power distribution systems, offers the ultimate in safety and reliability under the most severe operating conditions. The AMHTC series connectors allow the user to connect electrical equipment up to 750A quickly with ultimate safety. AMHTC is available in two standard formats, which allow complete hook up through the standard daisy chain principle. The Super High Impact Insulators : High impact, flame retardant thermoplastic insulators prevent impact and abrasion damage through continued use in harsh environment applications and also guarantee a high degree of insulation, with maximum resistance to oil, acids and water.



AMPHEPOWER RADSOK®

High amperage, up to 1000A, contact technology replaces the traditional threaded post and ring terminal. Twisted hyperbolic grid ensures greatest possible contact areas on mating pin up to 65%. Benefits include high number of mating cycles, reduced insertion force, and a self cleaning effect during mating. Wide range of wire crimp barrels or PCB/Busbar swage mount features available.



HV STATIONARY POWER SUPPLY

This HV station allow to connect the power from station or depot for applications like heating and lighting. Designed to support 1500 Volts D.C and cable from 185mm² to 240mm². This product is appreciated for the low mating efforts.



Railways and Mass Transit Solutions

DATA COMMUNICATION

RJFIELD RANGE

Rugged circular and rectangular interconnect which can be fitted directly -without particular tooling- with standard cordsets such as RJ45 Ethernet (Cat.5e), USB, Firewire (IEEE1394), RJ11 and the MTRJ and LC fiber optic interfaces. Available in Mil-DTL-38999 Series III or Mil-C-26482, low cost Cat.6 circular shells, or rectangular shells such as SIM / EN4165. Provides environmental protection: IP67, dust, shocks, vibrations and temperature. Eliminates hazardous and costly in-field assembly. Rugged Ethernet switches using RJ Field connectors are also available in IP30 and IP67 versions.



USBFIELD RANGE

The USB Field allows the use of a USB2.0 connection in harsh environment through the installation in a MIL-DTL-38999 Series III Shell: Sealed against fluids and dusts, shocks, Vibrations and Traction resistant. No cabling operation and no tooling required. In addition, Amphenol provide the user with derived products such as reinforced USB2.0 cordset with polyurethane zero halogen jacket and double shielding, and rugged USB memory sticks fitted in a MIL-DTL-38999 Series III Plug shell. Derived versions include a rugged USB receptacle with a snap-cap protection at the front side and a EN3646 cylindrical connector interface at the rear side for an easy installation.



QUADRAX

Amphenol Low Voltage Differential Signaling (LVDS) TIA/EIA-644, Firewire IEEE 1394, and Fibre Channel are examples of communication protocols which use differential signaling to provide high speed data rates. The interface of these quadrax contacts is not concentric in order to preserve the highest performance in term of impedance. These size 8 contacts are kept in the right position in their cavities - can not rotate - with a keying system. Quadrax are existing in different matched impedance versions and are terminated to a shielded double twisted pairs cable or to a PCB. These contacts are compatible with many dedicated inserts in cylindrical and rectangular housings (MIL-DTL-38999, ARINC 600, SIM EN4165, EN3545...)



SIM RACK & PANEL CONNECTORS / EN4165

Miniature rectangular interconnect system serves as an alternate to cylindrical connectors where space and modularity are critical. The rack and panel versions are offered with guiding pins and spring devices to ensure a perfect contact mating at the interface. The versatility of the SIM connectors allows many different shapes for the rack depending on customers' requirements. The contact offering includes crimp & PCB, Signal, Power, Coax, Twinax, Triax, Differential Twinax and Quadrax.



C091 RANGE

Robust Circular Connectors, the Amphenol C091 Series consists of C091A (threaded coupling), the C091B (bayonet coupling & plastic housing) and C091D (threaded coupling, metal housing, IP67, EMI). In addition to the range, the C091D available in angled at 90 degrees. These connectors exists with 3 to 14 contacts supporting up to 5A. Silver or gold contacts standard.



JUNCTION MODULES 1770 / 1119 / 1977

The 1770 is a distribution module with express and water-proof junctions. From 8 to 36 contacts. Connection via crimp contacts. The possible cable sections are 0.15 mm² to 3.18 mm² and an Intensity of 5 to 23 A for a temperature range of -55 to +150 ° C. The 1119 is a water-proof extension with express junction that allows 1 to 3 way with cable sections from 0,15mm² to 2,60mm². Intensity of 5 to 13A. The 1977 is an express junctions connectors available with several arrangements of 7 to 50 contacts. Qualified with Sections of cables of 0.35mm² to 5.2 mm² and Intensity of 5 to 33 A.



EN & NFF SPECS JUNCTION AND GROUNDING MODULES

High density and Super High density Light weight, environmentally sealed junction modules fixed on metal or light weight composite mounting tracks system. Contacts sizes AWG10 to AWG22 in a variety of bussing configurations. Qualified according EN and NFF requirements. Modules fitted with Custom electronic packages also available. Grounding through the (metal) rail version available or purpose build Multi-contacts grounding/bus connection modules with ground stud or flange mount. Mounting to a bus bar provides power distribution, sensing or metering. Environmentally sealed or not.



ASR RECTANGULAR SNAP LOCK

Small sized Rectangular multi pins, snap locking, metalized composite shell, designed for in seats interconnect of actuators, controls and Passengers Entertainment systems. Metalized shell provides shielding capabilities allowing up to megabit ethernet connection on standard SAE 39029 series size 20&22 contacts. 3 shell sizes available, from 10 to 45 x size 22 contacts. Keying options. Square flanged panel mount receptacle.



EN & NFF SPECS IN-LINE SPLICES / SJS

These single and multi-contacts in-line splices facilitate system expansion and repair. This product breadth includes AWG22 to AWG16 contacts and Diode and Resistor package versions are available too. Qualified acc. EN and NFF requirements. Custom electronic packages also available (diode, resistor, fuse...). The new SJS series Environmentally sealed In Line Wire Junctions Splices consisting of a Plug for Pin contacts and a Receptacle for socket contacts that brings more flexibility to wiring termination from a single to 3 individual wires. All materials are first grade quality.



Railways and Mass Transit Solutions



FIBER OPTIC SOLUTIONS

CROS

Amphenol extensive range of Connectors for Fiber Optics Links provide Interconnect Solutions for the most difficult situations and harsh environments : butt joint or expanded beam technology, single or multi- channel, singlemode or multimode fibers. Amphenol supplies the complete interconnect assembly, including the connector, termini, fiber and optional accessories. The CROS is the ideal fiber optic solution for the railway market. This legacy hermaphroditic fibre optic lens connector facilitates the interconnection of multiple identical fibre optic cable assemblies known as daisy chaining, thus eliminating the need for polarising the use of in-line adapters. The connector is available in 1 to 4 way configurations and designed to support up to 5.000 mating cycles. Is intermateable with other manufacturers equivalent products.



CTOS / CTOL

CTOS and CTOL series are robust optical connectors for rapid deployment of high-speed transmission links under harsh environments. The hermaphroditic mating facilitates daisy chaining. Specific lens design guarantees large beam diameter and low loss connection, less sensitive to dirt and dust. Blind mating. Flat protective window providing an easy to clean surface for improved performances and protection. From 1 to 8 channels. Multimode or singlemode.



CABLE ASSEMBLIES

Amphenol Fiber Optic can design and build all of your cable assembly needs. Our certified quality system, ensure high process assemblies and control. Every cable receives 100% inspection for both insertion loss and visual defects.



INTERVEHICLES JUMPERS

HV & LV JUMPERS

The Inter-car Jumpers from Amphenol provide electrical connections between all types of rail vehicles and can be supplied for low voltage and signals, high voltage, 3 phase, and fiber optic systems. These jumpers are designed to suit a variety of insert arrangements, different currents and voltages, and many different cable sizes and types.



3 PHASE SOLUTIONS

The 3 Phase connectors from Amphenol was introduced by several Rail Industry customers as long-term reliable solution and proves over the years that this was the correct choice. The 4 ways connectors allows section of cable 70mm² and support 415 Volts A.C. The 3 ways + control permit cable section of 185mm² and authorize 415 Volts A.C. An electrical interlock is available.



JR JUMPER

The JR Jumper was introduced by the customers to provide the connections for High Speed trains. Including 8x100A and 4x50A power contacts, 184x5A signal contacts and an EB Module with 8 Channels Multiple Fiber Optic, the jumper is supply with the complete cables solutions. Designed to be coupled & uncoupled by mechanical locking lever system, which engage and mate the connectors after the vehicle mechanical coupler is fully locked in position. The locking of the connectors in the mated position ensure full sealing of the connectors acc. IP67.



TRANS-POWER

Power connector with replaceable contacts in an all-molded elastomeric rubber body. This design provides low mating and unmating forces, low voltage drop and shock resistance. Current: 400A at 600 volts. 27 pole connection (MU and communication) is also available.



ADGC

The ADGC series connectors and jumpers are principally used for heavy applications in railway because of the high robustness and performance. Selected by several customers for subway coupler application, this reverse bayonet connector is appreciated do to his fast and perfect mating with only a one quarter turn of the coupling nut and the visual, audio and tactile locking signal. Withstand to moisture, oil and vibrations. Allows current from 13A to 350A and 6 arrangements up to 106 contacts



C146 SIM

The C146 SIM is a Heavy Duty Connector that can be used in extreme harsh environment, widely used for inter car jumper in Passenger Information System applications. The connectors are water-proof and ensure 200 hours salt spray. The SIM Modules connectors are installed inside the shell, which is mounted on an Aluminum frame that maintain 3, 4 or 5 modules and supply with a large choice of contacts.



STAR-LINE® SERIES

The Amphenol Star-Line™ series connectors are heavy duty environmentally sealed plugs and receptacles used in all types of Railway applications. These compact environmental connectors have provided outstanding performance in complex ground support cable networks, automatic and process control systems and instrumentation systems. The family of connectors has made a major contribution to the successful interconnection of peak power generating systems (power distribution and data acquisition). Recognized as one of the leaders in the harsh environment connector market, the Star-Line® product family is resistant to salt spray up to 300 days.



HIGH RELIABILITY RAILWAY CABLE SYSTEMS

Amphenol's harsh environment cable systems are designed for both high and low-temperature Rail industry applications. Whether it's a connector backshell, grommet, splice joint, or mounting point, we're able to supply the solutions you need. Cable and connector overmoulding, by injection, peek, polyurethane overmoulding, nylon, silicon... Amphenol masters a large range of moulding technologies. Our assemblies are impervious to high-vibration, high-abrasion, moisture, oil and corrosive elements.





TERMINAL BLOCKS

BJL & BJT SERIES

The BJT Serie is a Push On Terminal blocks with Vertical or Horizontal connection. Component carrier versions for Push On clips 6.35 x 0.8 mm and cable section 1.5 mm² to 6 mm². The BJT Serie is a Single or Dual Pole Screw type terminal. Designed from size M4 to M12 and for cable section 0.6 mm² to 150 mm². Allows an Current rating from 2 to 320A and a Temperature range from -40°C to +130°C. The BJT & BJT Series are qualified acc. NFF 61-017, Inflammability class: V0 acc. to UL94, Behaviour to fire: I2-F3 Exigence 3 level acc. to NFF 16-101 and NFF 16-102.



BJC SERIES

The BJC Serie is a Cage Spring Type Terminal blocks with 2, 3 and 4 connections per terminal. Developed for cable section 0.5 to 10 mm² and Current rating from 5 to 41A. The max. Temperature range is -40°C to +130°C. This Serie is qualified according Electrical & climate datas NFF 61-017, Inflammability class: V0 according to UL94, Behaviour to fire: I2-F3 Exigence 3 level according to NFF 16-101 and NFF 16-102.



BJA SERIES

Amphenol Air LB extends its range of terminal junction blocks by adopting the insulation displacement technology on a broad range. The Serie can be mounted on DIN or NF rail, its slim pitch will also allow you to extend your connection possibilities without extend the overall dimensions. The visual identifiers (cursor, marking tags) combined to the gathering of modules (thanks to their polarization key and the hooking system) come in addition to make you earn efficiency on your wiring operations.



RACK & PANEL CONNECTIONS

RFM & RFM POWER

The RFM connector is a modular rectangular rack and panel connector with realignment capabilities through a guiding pin system. The contact technology authorizes a great number of cycles (up to 5000) with a low insertion force. As this non-environmental connector has a very good behaviour in vibrations, it is very suitable for motion control and power supply. The new version for High Power Supply offers 200Amp per contact and integrates the High Performance Radsok® technology.



RNJ

RNJ rack and panel connectors with realignment capability designed for harsh environment in term of sealing, shocks, vibrations and EMI-RFI protection. The RNJ connectors are developed to connect electrical devices between a moving unit (rack) and a fixed unit (panel). The locking of the mating pair(s) is ensured by the mechanical device of the rack. RNJ connectors are available in jam nut shell configurations. The RNJ receptacle is mateable with a Mil-DTL-38999 Series I plug as well for easy testing of the rack system. All Mil-DTL-38999 Series I -from shell size 11 to 25- and additional LPHD-size 23 contacts- insert patterns are available in RNJ version, including Signal, Power, Coax, Twinax, Triax, Differential Twinax, Quadrx.



LRM INTERCONNECTS

Amphenol offers complete board level design flexibility with its LRM (Line Replaceable Modular) interconnect series. Amphenol LRM connectors provide the high level of design versatility that engineers need for board level interconnects in today's demanding Rail & Mass Transit applications. Combinations of module and backplane inserts can provide for thousands of interconnect combinations that are tailored to meet customer needs. With the LRM interconnect series, Amphenol lives up to its reputation for leading the marketplace in innovative board level solutions.



CONNECTIONS BOXES

JUNCTION BOXES

Amphenol has designed a wide range of junction boxes allowing customers to terminate different types and sizes of cables on the underside and within rail vehicles. These termination boxes are designed to meet very harsh environmental conditions encountered in the rail mass transit market including: high voltage bus line boxes, traction motor connection boxes, shore supply connection boxes, DC supply connection boxes, and TPWs connection boxes.



AMPHENOL Y

AMPHENOL Y CONNECTOR is a power connector (1000A and 1000 Volts per contact) designed originally for engine application installed on Bogie. It offers high mechanical and electrical protection with the Power Crimp Radsok® technology. This technology allows a simple and secure connections with low insertion force and a very good vibration performance.



FIXATION, CABLE SUPPORT & PIPES

CABLE SUPPORTS & ACCESSORIES

All Composite Reduced weight, high temperature thermoplastic cable support systems to retain wire bundles on fuselage or wings sections, reducing installation time and cost. Unique silicone rubber cushion for protection of wires bundles. These cable supports are made of aeronautics' fluids compatible and flame resistant first grade materials. Standard or fuel zone versions available.



CUSTOMIZED SOLUTIONS

BRACKETS & BOXES

Amphenol develops, constructs and manufactures a large choice of specific brackets and boxes for the fixation and/or the protection of the electrical systems. With our experience and the understanding of the customer needs, we are accustomed to design and supply the products adapted to your applications.



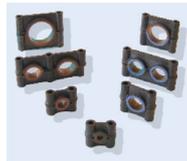
CORD GRIPS

Whether you need a straight, 45°, or 90° strain relief, Amphenol's family of cord Grips has you covered. Strong, lightweight aluminum components provide a long lasting, reliable liquid tight solution. Amphenol Industrial Cord Grips offer a complete line of strain relief options that include gland nuts, mechanical clamps and basketweave cable grips. UL and CSA listed, our Cord Grips have been put to the test for over 40 years.



PIPE SUPPORTS

Custom accessories for train, metro or tram cabling and pipe support form a total pipe and cable management system developed to reduce weight, cost and installation time. Simplified installation and maintenance enhance reliability. Engineered high-temp plastics, no metal parts, engineered to user's needs.



GROUNDING & PE CONNECTIONS

GROUND MATE®

With the new ground/mate series, Amphenol is able to replace the now used PE connections, made up of ring terminals in electrical cabinets, with pluggable contacts. By using the well known and field proven RADSOK® technology in combination with the click/fit locking device, a high current carrying capacity arises together with a safe and reliable locking mechanism. Owing to different locking parameters, it is possible to connect ground/mate contacts with pins or threads. Even by using ground/mate on threads, the outstanding attributes of RADSOK® contacts will be mostly uninfluenced. Grounding cables with all contact sizes and combinations in various lengths (170-300 mm). Customer special lengths available upon request.





Worldwide PRESENCE



Amphenol was founded in 1932.

The company is one of the largest manufacturers of interconnect products in the world.

We design, manufacture and supply electrical, electronic and fiber optic connectors, interconnect solutions and cable systems.

The wide range of products available serve a variety of markets including:

AEROSPACE - AUTOMOTIVE - BROADBAND COMMUNICATION - INDUSTRIAL - INTERNET EQUIPMENT - MILITARY - MOBILE PHONES - RAIL MASS & TRANSIT - WIRELESS INFRASTRUCTURE.

Amphenol is headquartered in Connecticut, USA and employs more than 33,000 workforce at over 85 facilities in more than 30 countries, Amphenol has the unique advantage of having both diversified global reach while still being a focused organization.



NORTH AMERICA

Amphenol AEROSPACE OPERATIONS

40-60 Delaware Street
Sidney, New York 13838-1395 - USA
Telephone: 1-607-563-5011 - Fax: 1-607-563-5157

Amphenol Pcd, Inc.

72 Cherry Hill Drive - Centennial Park
Beverly, MA 01915-1065 - USA
Telephone: 1-978-624-3400 - Fax: 1-978-927-1513

Amphenol ALDEN PRODUCTS

117 North Main Street - Brockton, MA 02301 - USA
Telephone: 1-508-427-7000 - Fax: 1-508-427-7085

Amphenol FSI

1300 Central Expwy N, Suite 100 Allen, TX 75013 - USA
Toll-Free: 800-472-4225 - Fax: 214-547-9344

Amphenol CANADA CORPORATION

20 Melford Drive - Scarborough, Ontario M1B 2X6 Canada
Telephone: 1-416-291-4401 Fax: 1-416-292-0647
1870 boul. des Sources, Suite 204
Pointe Claire, Quebec H9R 5N4 - Canada
Telephone: 1-514-630-7242 ext. 225 - Fax: 1-514-630-7697

EUROPE

Amphenol Air LB

29 voie d'Yvois
08110 Blagny - France
Telephone: 33-3-2422-7849
Fax: 33-3-2422-7875

Amphenol SOCAPEX & SOUTH EASTERN EUROPE

948 Promenade de l'Arve - B. P. 29
74311 Thyez Cedex - France
Telephone: 33-4-5089-2800
Fax: 33-4-5096-1941

Amphenol LIMITED

Thanet Way, Whitstable - Kent, CT5 3JF
United Kingdom
Telephone: 44-1227-773-200
Fax: 44-1227-276-571

Amphenol AIR LB GmbH

Am Kleinbahnhof 4 - 66740 Saarlouis - Germany
Telephone: 49-6831-981-00
Fax: 49-6831-981-030

Amphenol ITALIA

Via Barbaiana n. 5, 20020 Lainate - Milano - Italy
Telephone: 39-02-93254.1
Fax: 39-02-93254.444

Amphenol TUCHEL ELECTRONICS GmbH

August-Haeusser-Strasse 10
74080 Heilbronn - Germany
Telephone: 49-7131-9290
Fax: 49-7131-929486

Amphenol IBERICA

Edificio "Burgosol"
C/Comunidad de Madrid, 35-bis-Oficina nr 55
ES-28230 Las Rozas - Madrid - Spain
Telephone: 34-91-640-73-02/03/04
Fax: 34-91-640-73-07

Amphenol NORDIC

Appelboms väg 2 - SE 18642 Vallentuna - Sweden
Telephone: 46-768-418600
Fax: 46-702-203197

Amphenol BENELUX

Zadelmaker 121 NL-2401 PD Alphen aan den Rijn
The Netherlands
Telephone: 31-172-444-903
Fax: 31-172-240-254

Amphenol MIDDLE & EASTERN EUROPE

Wiener gase 68 - 2380 Perchtoldsdorf - Austria
Telephone: 43-699-10396-071
Fax: 43-699-40396-071

ASIA

Amphenol PCD CHINA

2/F Building A5, HuaFeng Technology - Park, GuanTian, Bei
Huan Road, Shi Yan Street - BaoAn District, Shenzhen 518108
Telephone: 86-7558-1738-000

Amphenol INTERCONNECT INDIA PRIVATE LIMITED

105 Bhosari Industrial Area - Pune 411 026 - India
Telephone: 91-20-712-0363/0463/0155
Fax: 91-20-712-0581

Amphenol JAPAN

471-1, Deba, Ritto-City - Shiga, 520 3041 - Japan
Telephone: 81-77-553-8501
Fax: 81-77-551-2200

Amphenol DAESHIN

558 Sosa, SongNea
Bucheon-city, Kyunggi-Do - Korea 420-130
Telephone : 82-32-610-3800
Fax: 82-32-673-2507/665-6219

REST OF THE WORLD

Amphenol MEXICO

Prolongacion Reforma 61-6 B2
Col. Paseo de las Lomas - C.P. 013130 Mexico
Telephone : 52-55-5258-9984
Fax: 52-55-5081-6890

Amphenol ARGENTINA

"Av. Callao 930 2do piso Oficina B "Plaza"
C1023" - AAP Buenos Aires - Argentina
Telephone: 54-11-4815-6886
Fax: 54-11-4814-5779

Amphenol DO BRAZIL

Rua Diogo Moreira, 132, 20 andar, rooms 2001-2-3
CEP: 05423-010 Sao Paulo SP - Brazil
Telephone: 55-11-3815-1003
Fax: 55-11-3815-1629

Amphenol SOUTH AFRICA

30 Impala Road
2196 Chislehurst-Sandton - South Africa
Telephone: 27-11-783-9517
Fax : 27-11-783-9519

Amphenol AUSTRALIA PTY LIMITED

2 Fiveways Blvd., Keysborough - Melbourne,
Victoria 3173 - Australia
Telephone: 61-3-8796-8888
Fax: 61-3-8796-8801

Amphenol TURKEY

Ayazaga Mah. Meydan Sok
No:28 Beybi Giz Plaza Kat:26
34396 Maslak - Istanbul / Turkey
Telephone: 90-212-335-25-01
Fax: 90-212-335-25-00

BAR TEC LTD

4 Hagavish St, PO Box 279
Kfar Saba 44102 - Israel
Telephone: 972-9-767-4097
Fax: 972-9-767-4324

Amphenol RUSSIA

8 bldg., 2 Yaroslavskaja Street,
129164 Moscow - Russia
Tel: 7 495 937 6341
Fax: 7 495 937 6319

The information given in this document are as a guideline only. We reserve the right to modify our products in any way we deem necessary. Any duplication is prohibited, unless approved in writing.

www.amphenol-railway.com