

“connecting the
world of rail”



Amphenol



//connecting the

Introduction

Globally, the rail industry is experiencing an unprecedented level of investment due to the fact that rail is recognised as an environmentally friendly method of transporting both people and materials.

All areas of rolling stock, from Trams through Intercity and Metro to Freight, are growing - a situation mirrored in the infrastructure, equipment, signals and communications market.

Customer demand dictates that the industry produces products which meet current requirements and reflect the perceived trends of the future. Areas of particular focus include environmental sealing, physical integrity, EMC, size, weight, service life, service costs, global supply, design and build and test and approval.

History

At Amphenol we have been involved in the design and build of interconnect solutions for some considerable time e.g.

1899 Manufactured the first Locomotive headlamp powered by steam generator ~ Pyle National Division

1915 First connector manufactured to provide supply to the rear lamp ~ Pyle National Division

1990 First Connector Company qualified to level 2(AQF2) SNCF, France ~ Air-LB Division

Today, Amphenol has it's Connectors / Connector Systems on vehicles & Rail infrastructure all over the globe.

Vehicles, Metro, Light Rail Vehicles, Trams, Inter City / Regional Trains, High Speed, Freight, etc...

• *LUL Central Line, Jubilee line, Northern Line ~ UK*

• *Irish Rail ~ Ireland*

• *Strasbourg Tram ~ France*

• *ICE ~ Germany*

• *Electro-Star ~ UK*

• *Porto Tram ~ Portugal*

• *WCML ~ UK*

• *BR185 ~ Germany*

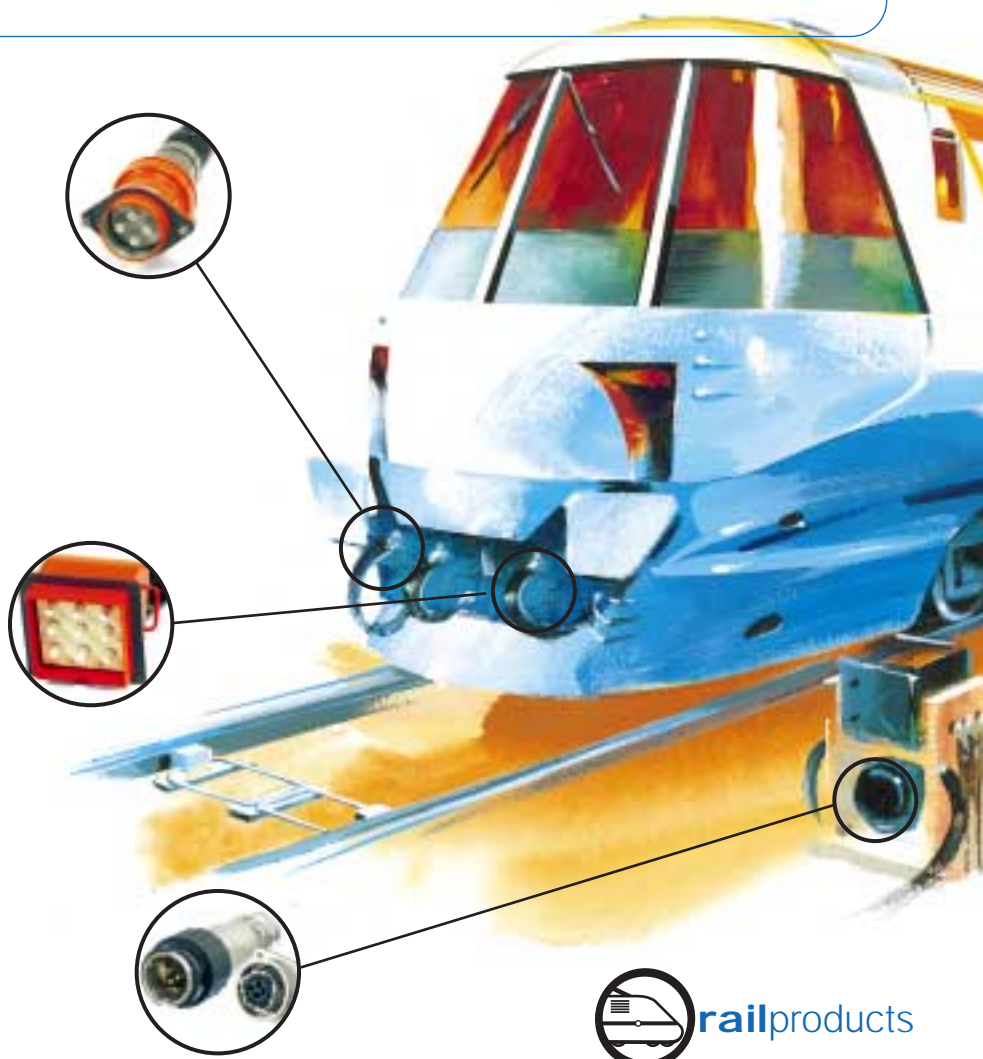
• *New York ~ USA*

And many more...

Products on applications such as,

- Intervehicle Jumpers
- Train protection devices
- Braking systems
- Door connections
- CCTV in car & station
- Entertainment systems
- Signal connections
- Signage connections
- Distribution cabinets
- Lighting

Amphenol Ltd
PYLE-NATIONAL division



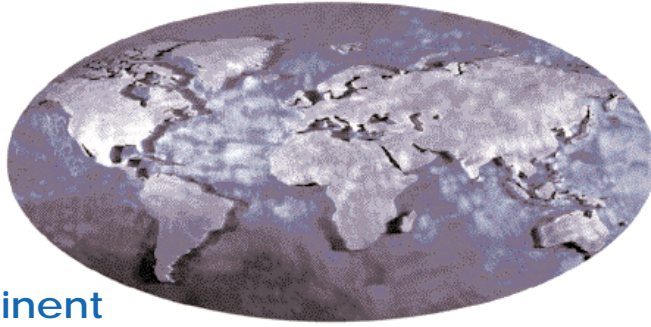
 **railproducts**

world of rail //

Global Presence

Amphenol are a leading global designer and manufacturer of interconnect solutions.

Our products are developed, assembled and sold throughout the globe via sales, engineering and manufacturing organisations in Africa, America's, Europe and Asia.



Local supply in every continent

Intercontinental production transfers

Your Partner for the future

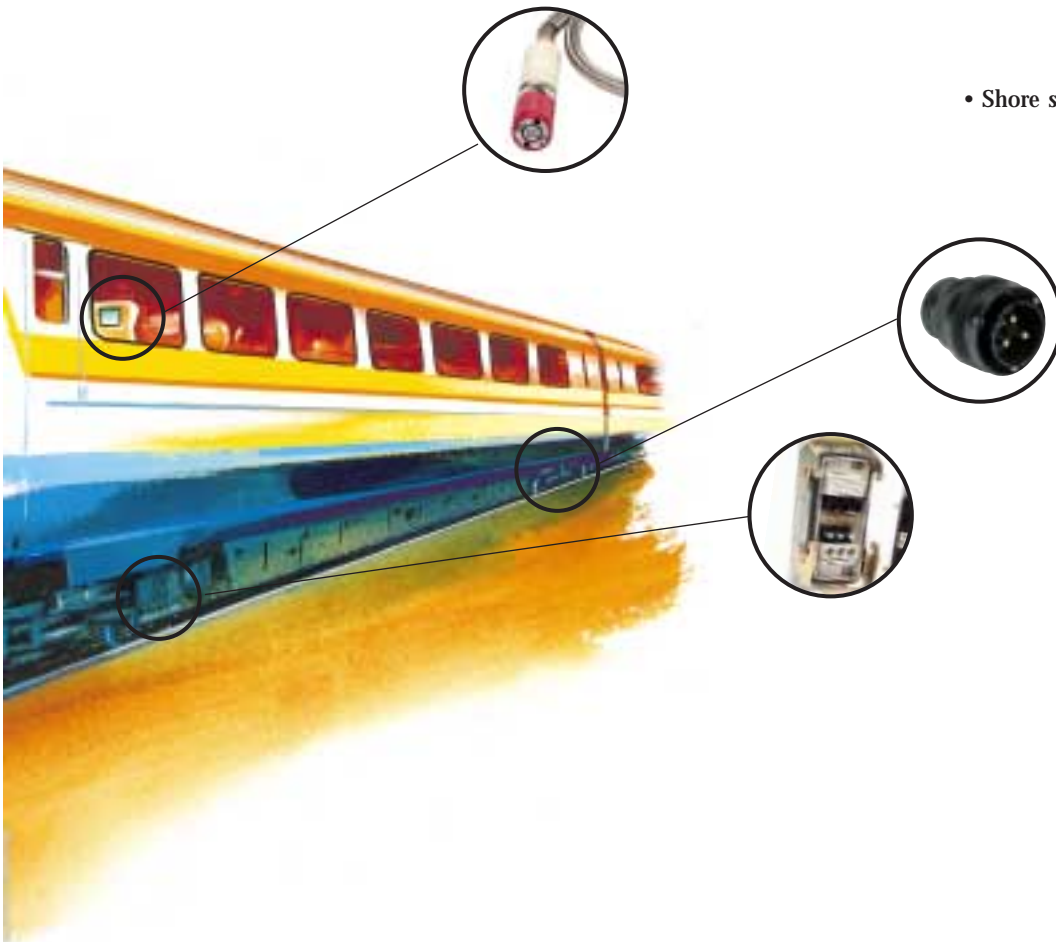
Design and Build • Cost competitive • Test and Approval • Global Presence • Quality
Life Cycle Costs • Service Cost • Product Breadth

Supplying technical products such as

- Interverhicle Jumpers
- Termination boxes
- Cable harnesses
- Shore supply and head end connectors
- Fibre optic assemblies
- Bracketry

Connectors

- Power
- Signal
- Rack and Panel
 - Data bus
 - PCB
 - RF
- Reverse Bayonet
 - Rectangular
 - Push/Pull



Amphenol



Standard Connectors



Reverse Bayonet

GT



Push/Pull

P-LOK



Commercial Bayonet

AC , 5015 conn.



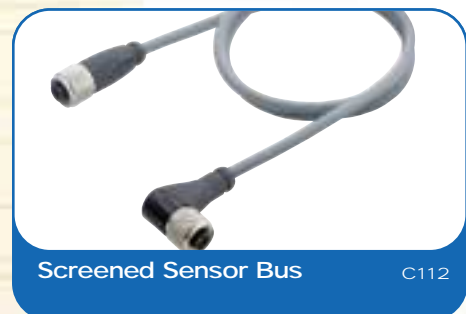
Push/Pull,
plastic & metal

ECTA



High Density
Signal

MIL-C-26482



Screened Sensor Bus

C112



LV &
Signal

D38999



Modular- Power/
Signal-Rectangular

C146



Rugged Circular

SLR



Strain Relief, Screen
Trap, Right Angles

Accessory

Amphenol Rail Market

Power Connectors



HV Stationary
Power Supply

ETS



Circular Power
Signal

ASFC



Large Circular
Power/Signal

Starline/Starlock



HV 1500A

1500 Series



Relay Block



SIMM

Rack & Panel Connectors



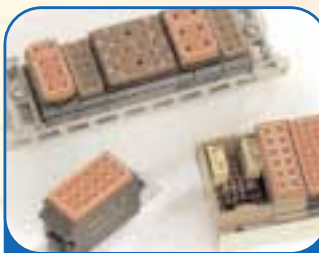
Rail Mounted
Stud Terminal

BJ Series



Power &
Signals

RFM



Raid Mounted
Modular



PCB Mount

CO93

Interconnection System

Data/Communications Connectors



Fibre Optic Connectors
& Assemblies



Amphebus

Intervehicle Jumpers



Cable
Types

Jacked & Conduit
Metal & Plastic



Conduit Swivel Joint



Power

Bespoke



High Speed
Signal

Fibre Optic



Hermaphroditic

Freight Mate

Connections Boxes



Low Voltage

LV



High Voltage

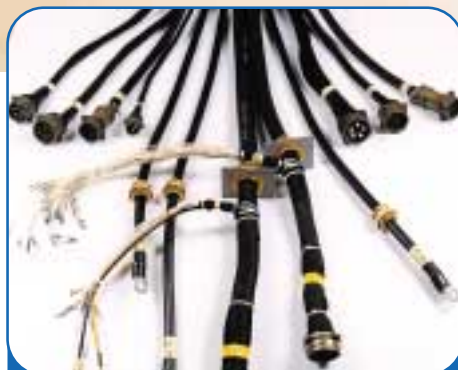
HV

Bracketry & Fabrications



Bespoke

Cable Harnesses



3 Dimensional



Trans Power Head