



The following presentation slides are for reference purposes only, product drawings shall prevail.

General Information

Amphenol PCD Shenzhen is part of **Amphenol Corporation**, one of the largest manufacturer of interconnect products in the world.

Founded in 2006, our company is based in one of the most dynamic city in China, **Shenzhen**, also known as the mature manufacturing base and high-tech zone of China.

Market segments

High Speed Train



Industrial



Electric Vehicle

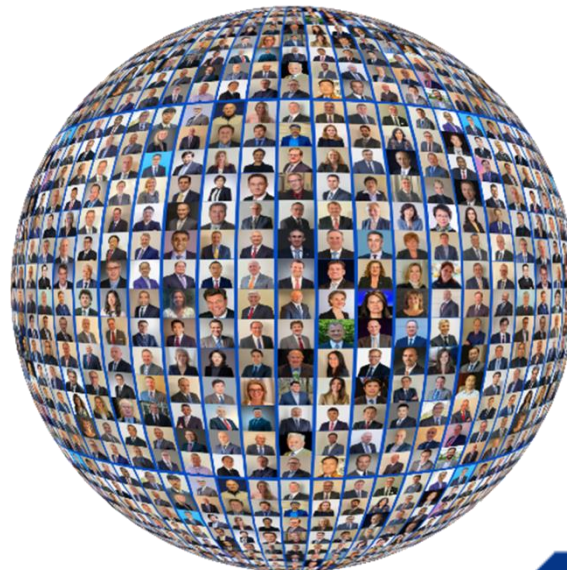


Big Data Server

Market cap

Amphenol: \$12B+.

Amphenol PCD: \$140+M.



Our expertise

Amphenol PCD Shenzhen provides a complete set of **high-voltage** and **high-current** connection solutions for its EV segment in Europe, the USA, and China while meeting the requirements of the local **standards**.



Number of employees:

570

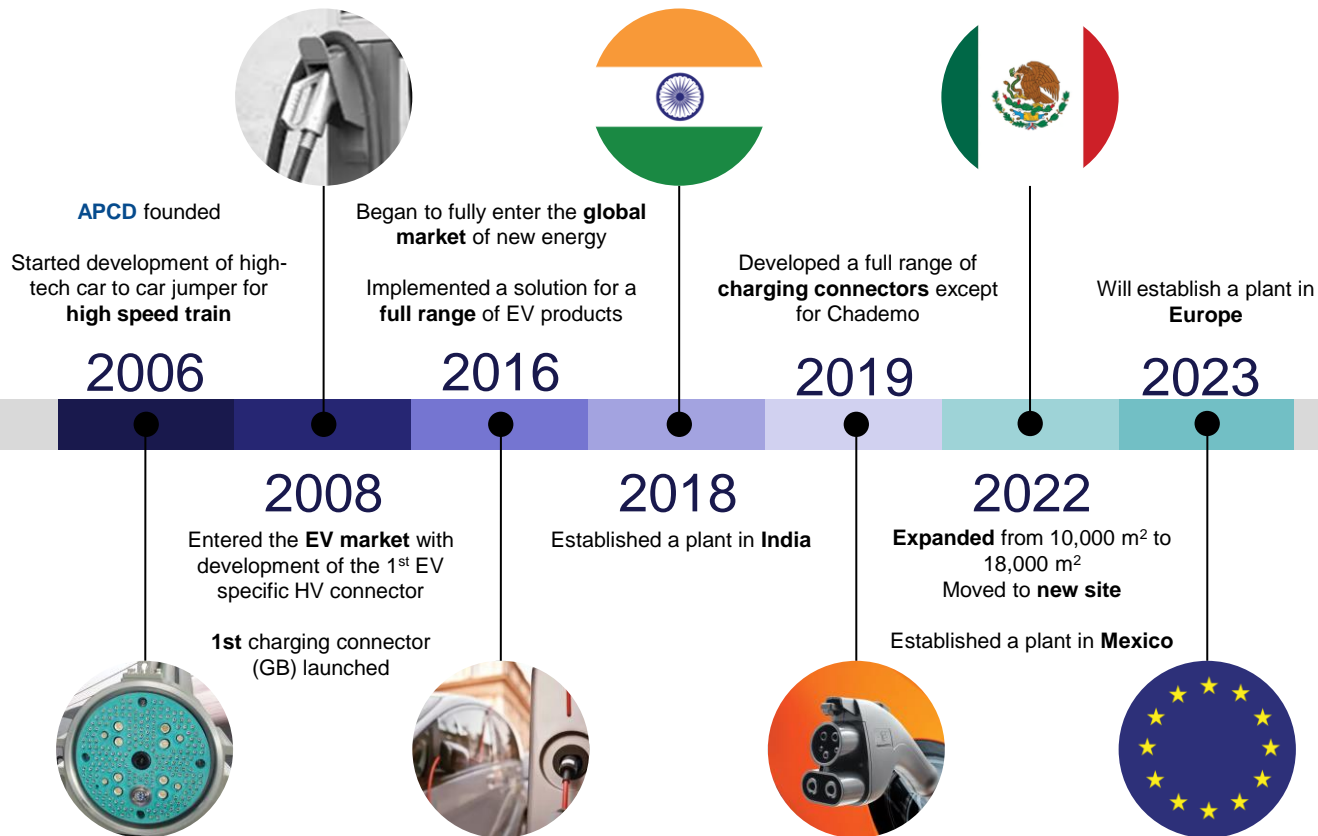


High employee retention rate!

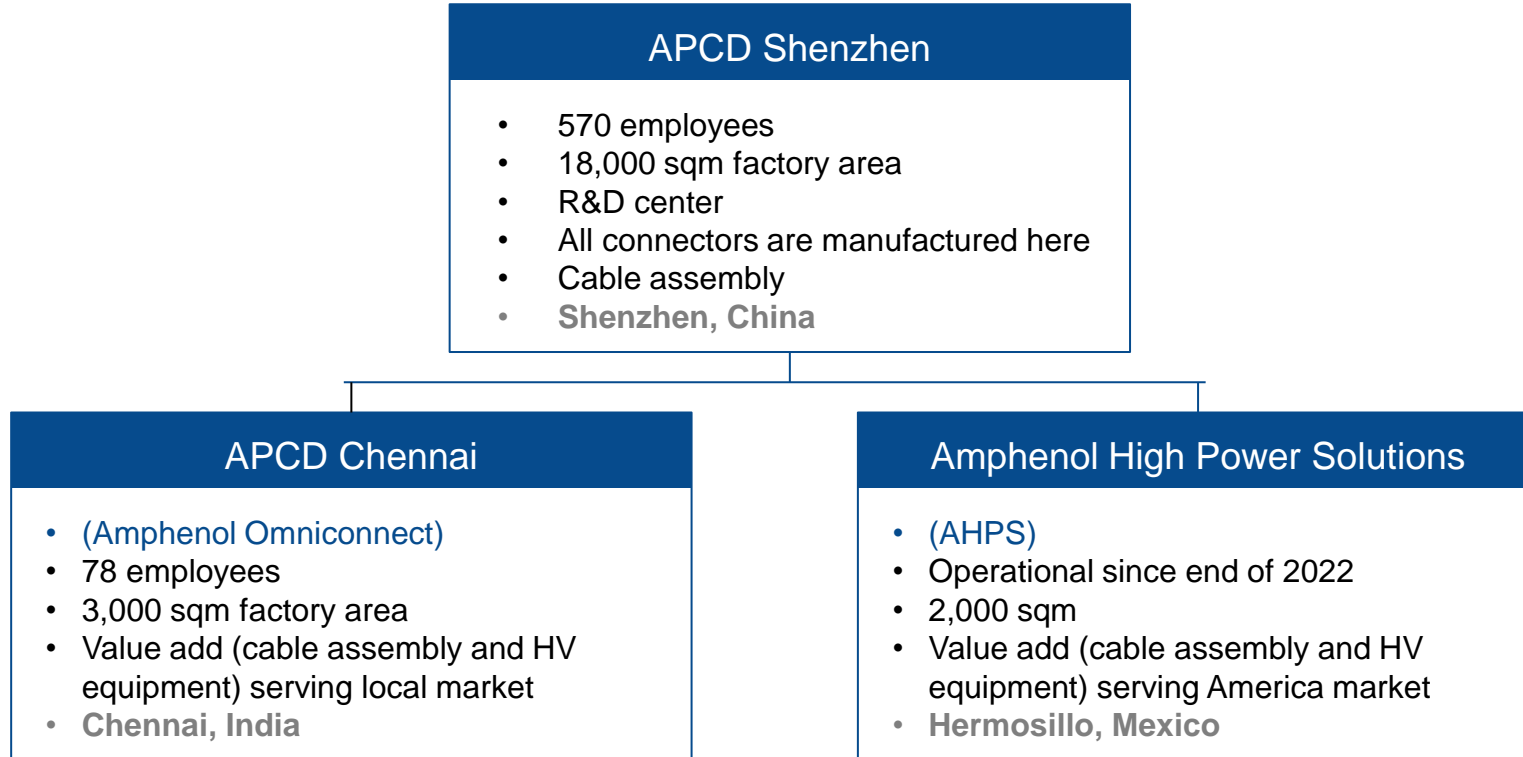
Almost **half** of the **R&D** personnel have been working in our company for **more than 5 years**.

10% dedicated to Research & Dev.

The Company's Development Timeline



Global Footprint



APCD Shenzhen Advantages

Customer oriented	High power solutions, big current, high voltage	Strong product and manufacturing engineering force (fast design, fast launch of products)	Flat management, fast in response
Bonded custom handbook for minimum tax exposure	Located in the electric manufacturing center of China with the most advanced tooling technology	Regional lab with a broad range of equipment	Short tool up time (30 to 60 days)
Easy and fast custom clearance	Proximity of component suppliers (within 1.5 hour drive from our factory)	2 hours by drive to Hong-Kong where the Amphenol Asia logistics hub is located	Daily trucks between Hong-Kong and the factory

Exposure to top OEMs Strengthens our Capabilities

Automotive customers:



Support function customers:

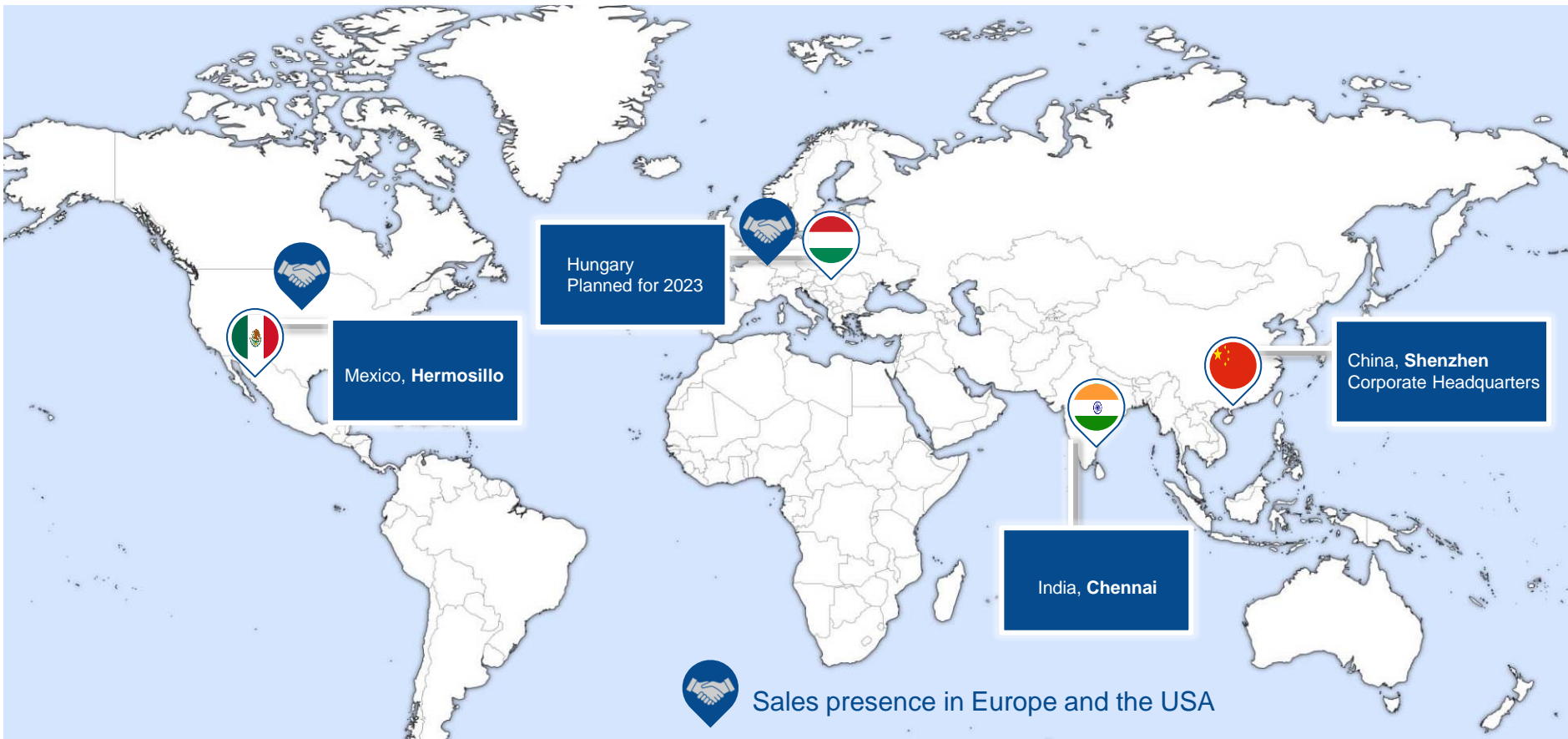


Charging stake customers:



Train customers:

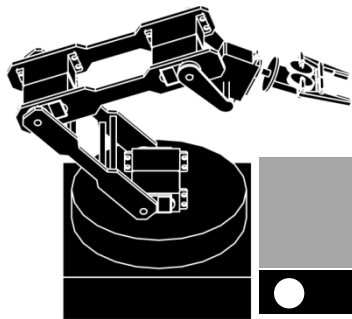
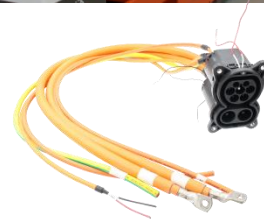




Sales Bases in Europe & the USA



State of the Art Production Lines



Qualifications

ISO22163

(for railway quality system)

Since 2011

IATF16949

(for automotive quality system)

Since 2012

ISO14001

Since 2013

EV SPECIFIC Products

The rated current of the following products are on the basis of @Ambient70°C (158° F)



AMPHENOL PCD SHENZHEN

Providing a total HEV Solution



HVCO IEC AC & COMBO



HVCO IEC, SAE



GB/T DC



BSM



HVSL600



Power MCU Battery Interface HVSL1000



HVSL1200/800, HVSLP1000/800 HVSLF



HVSL1200, HVSL1400



HVPT/HVPTB/HVPTM

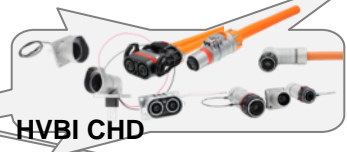
Charger

MCU

Motor



EX, HVG



HVBI CHD

Battery Pack

PDU

PTC
AC



Jumper for transmission system HVSL1000/800

DC/DC





















































HVSL600/800



MSDXL, MSD, MSDV, MINIMSD, MINIMSDV, PDC, MCMSD

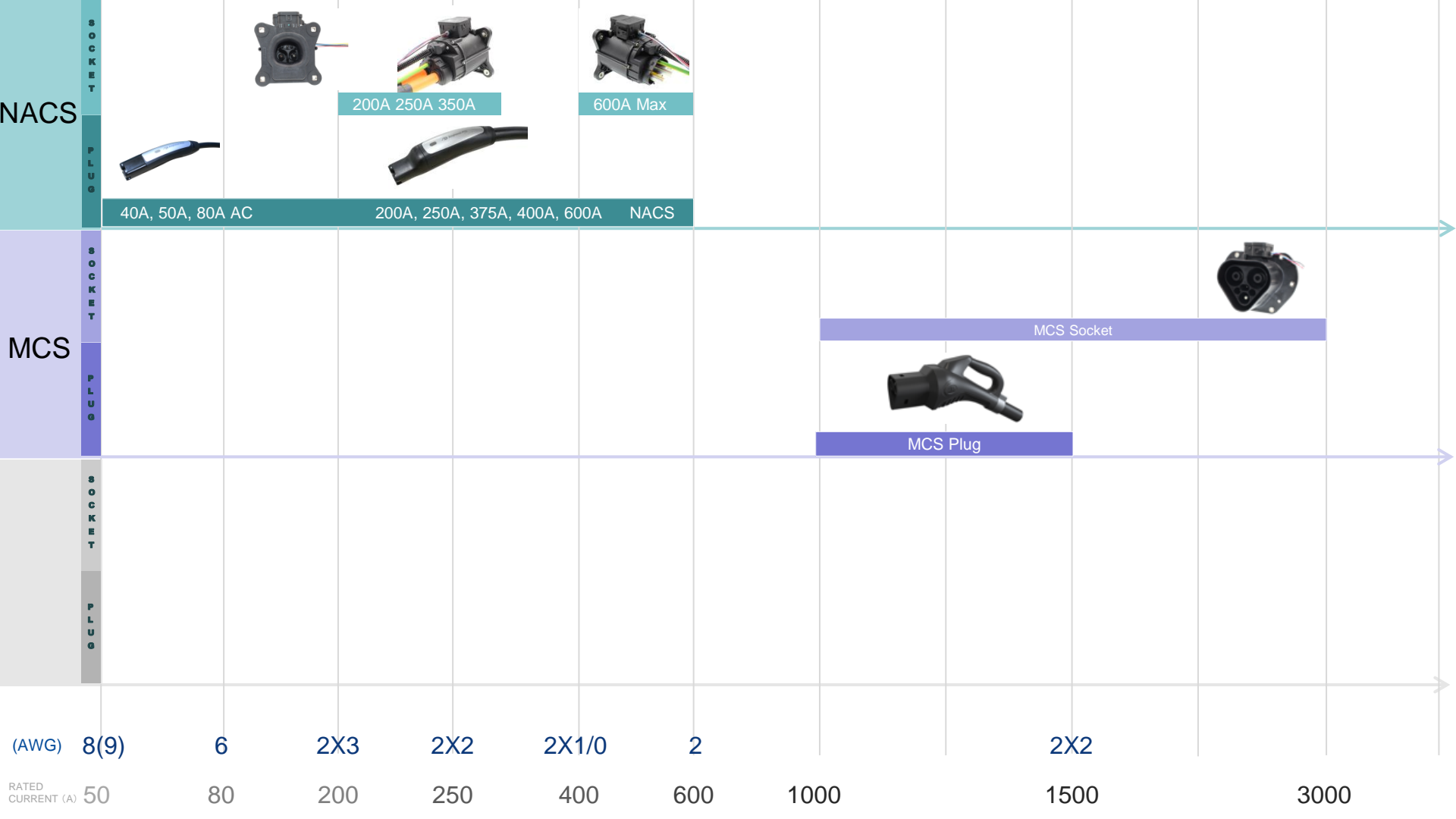


HVSL28x/36x/63x/635B

 BSM 5A	 6 PINS HVG 406	 2 PINS HVG 492	 2, 3, 4 PINS EX 402, EX 403, HVG 404	 2, 3, 4 PINS EX B	 2, 3 PINS HVSL 600	 2 PINS HVSL 800	 BSM 300A	 CHD 10 CHD14	 METAL CONNECTORS		
 26 PINS LVRC	 5, 6 PINS HVSL 365, 366	 HEV 060	 4 PINS HVSL 364	 1 PIN HVSL 600	 HVSLF	 2, 3 PINS	 1, 2, 3 PINS	 2 PINS	 2 PINS		
5 to 13A LVRC	 2 PINS HVSL 364	 2 PINS HVSL 364	 3 PINS HVSL 364	 2, 3 PINS HVSL 800	 1, 2, 3 PINS HVSL 1000	 2 PINS HVSL 1200	 2 PINS HVSL 1400	 2 PINS HVSL 1200	 2 PINS HVSL 1400		
 35 PINS LVRC	 2 PINS HVSL(W)282	 3 PINS HVSL(W)633	 2 PINS HVSL 362	 3 PINS HVSL 362	 2, 3 PINS HVSL 800	 1, 2, 3 PINS HVSL 1000	 2 PINS HVSL 1200	 2 PINS HVSL 1400	 2 PINS HVSL 1200	 2 PINS HVSL 1400	
10A LVRC	 3 PINS HVSL 280	 2 PINS HVSL 630	 2 PINS HVSL 362	 3 PINS HVSL 362	 2, 3 PINS HVSL 800	 1, 2, 3 PINS HVSL 1000	 2 PINS HVSL 1200	 2 PINS HVSL 1400	 2 PINS HVSL 1200	 2 PINS HVSL 1400	
(mm ²)	2.5	4	6	10	16	25-35	50	70	95	120	150
RATED CURRENT	16	32	40	60	80	100-120	150-180	250	350	430	500

PLASTIC CONNECTORS





CCS1

RETRACTOR CONTROLS/THERMAL PROTECTION WITH STRONG INTERNAL WATER PIPE CONNECTION

- Liquid-cooled charging gun
- Partial Potting Filling
- Metal Latch Hook

Special alloy with high impact resistance & Grip Anti-Slip

IP67 Handle included

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	CABLE RANGE
20,000 cycles	500-600A Peak current 800A	1000V	IP67 IP69	35mm ²

HighPower AMPHENOL Trusted Globally

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CCS2

RETRACTOR CONTROLS/THERMAL PROTECTION WITH STRONG INTERNAL WATER PIPE CONNECTION

- Liquid-cooled charging gun
- Partial Potting Filling

IP67 Handle included

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	CABLE RANGE
20,000 cycles	500-600A Peak current 800A	1000V	IP67 IP69	35mm ²

HighPower AMPHENOL Trusted Globally

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NACS

HYCONFC100S1

RETRACTOR CONTROLS/THERMAL PROTECTION WITH STRONG INTERNAL WATER PIPE CONNECTION

All signal contacts, including the service, are fully integrated on the PCB board.

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	CABLE RANGE
10,000 cycles	500A 700A 950A	200A 250A 350A	DC & DC 1000V DC CP & PP 30V	Yes

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HYCONFC100S1

RETRACTOR CONTROLS/THERMAL PROTECTION WITH STRONG INTERNAL WATER PIPE CONNECTION

All signal contacts, including the service, are fully integrated on the PCB board.

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	CABLE RANGE
10,000 cycles	600A Max	DC & DC 1000V DC CP & PP 30V	Yes	Yes

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NACS

SAE J3400 WIP

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	WATER
10,000 cycles	40A, 50A, 80A	600V AC 1000V DC	IP67 IP69	YES

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NACS

SAE J3400 WIP

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	WATER
20,000 cycles	300A, 350A, 400A	1000V DC	IP67 IP69	YES

Additional Info: 200A, 250A, 375A, 400A (air cooled, 600A (with liquid cooling))

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SFBC OT500

Mainly for DC Charging Station Power Module

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	WATER
10,000 cycles	500A	1500V	IP67	YES

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Charging Connectors • SPC Connector

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	WATER
10,000 cycles	50A 80A	300V	IP67	YES

UL1977 APPROVED

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HDIMATE

360° PLUG FEATURE

UNMATED SOCKET IP67

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	WATER
5 cycles	300A Max	1500V Max	500H Min	Yes

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HDIMATE

Unmated socket: IP67!

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	WATER
>50 cycles	500A Max	1500V Max	500H Min	Yes

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CHD

CHD 14 has been designed for high-power charging in such environments.

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	WATER
>50 cycles	500A Max	1500V Max	500H Min	Yes

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EXP405

IMPROVING MECHANISM FOR WIRE

MAIN FEATURES

RETRACTOR CYCLES	RATED CURRENT	RATED VOLTAGE	PROTECTION	WATER
50 Min.	32A Max.	400V AC 800V DC	IP65 (mated)	Yes

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Train Products

Amphenol PCD Shenzhen's presence in the Rail industry – Applications



Signaling



Motors



Power Supply



Jumpers



Cab Equipment



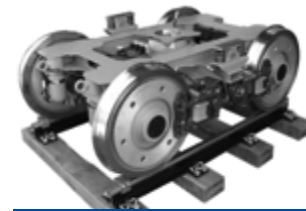
Doors



Air Conditioning



Entertainment



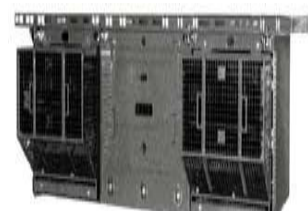
Bogies



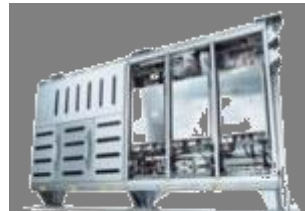
Brakes



Traction Systems



Transformers



Converters

Air Conditioner



Communication
Entertainment



Lighting



Control & Signal
in Driver Cab



CRH

Electrical Cabinet



Train Protection
Device



Bogie & Breaking System



Intercar
Connection



INDUSTRIAL Products

Industrial Terminal Blocks & Discrete Wire Solutions

- High Temperature Pluggable Terminal Blocks
- Amphenol PCD Shenzhen offers a wide selection of variations and configurations on our Industrial Terminal Blocks.
- Euro Style Plugs and Headers



- Plugs and Headers available in 2.5mm to 10.16mm pitch
- Rising Cage Clamp & Spring clamp.
- 2-24 positions with/without locking ears
- Current ratings up to 41A
- Many options available: Gold plating, markings, keying
- Wire-To-Board Terminal Blocks



- Wide product offering-available in 2.54mm to 15mm pitch and variations include Ultra Mini, Low Profile, Modular, and Multi-Tiered options in Vertical, Horizontal, and Angled Wire Entry
- Rising Cage Clamp & Spring clamp.
- High Current and High Voltage product offering

EdgeCard Connectors

Amphenol PCD's Electrocon Line comprises a family of rugged, high-reliability screw-terminal/edgecard connectors. They combine the discrete wire termination capability of a screw-terminal block with the mass termination convenience of an edgecard connector.



- Available in a broad range and variety of mounting application configurations
- Spacings range from 2.5mm to 9.25mm
- Offered as single and double-sided versions depending on configurations

Interface Modules

Interface Modules are Industrial interconnect devices which expand traditional Terminal Block I/O functions and incorporate the blocks, high density connectors, and additional electronic components.

Amphenol PCD develops and supplies standard and custom interface modules tailored to Industrial applications





Specifications and information in this document are subject to change without notice and were accurate at the time of publication. Amphenol PCD Shenzhen reserves the right to clarify this presentation.