

Amphenol was founded in 1932. The Company is one of the largest manufacturers of interconnect products in the world. Amphenol designs, manufactures and markets electrical, electronic and fiber optic connectors, interconnect systems, antennas, sensors and sensor-based products and coaxial and high-speed specialty cable. Amphenol has a diversified presence in high growth markets including Automotive, Broadband Communications, Commercial Aerospace, Industrial, Information Technology and Data Communications, Military, Mobile Devices and Mobile Networks.

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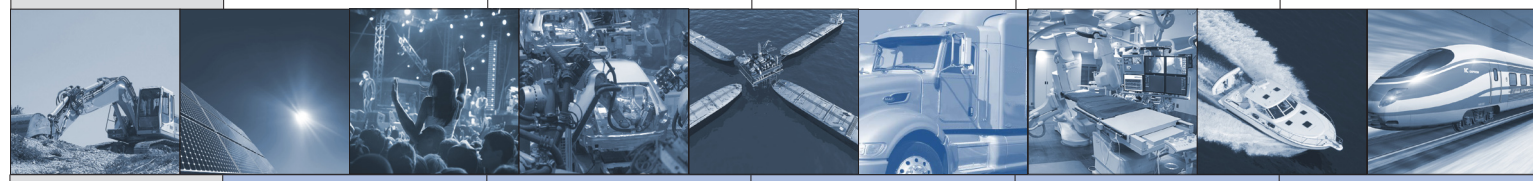
Series	eco mate™ Circular	C091 M16 Circular	motion grade™ M23/M40	sensor mate M12	Ceres (Circular Waterproof)	RBL	X-Lok	Pulse-Lok	NMEA 2000	HS-Lok Series	USB /RJ45 Waterproof	Audio Connectors	A Series™	ATC & AHD	Isobus	Truloc	heavy mate E/EE/M Rectangular
Product Image																	
Typical Applications	Alternative Energy, Off-Road, Instrumentation, Building Automation, Telecom, Traffic & Process Control	Industrial Automation, On-Machine, Process Control, Alternative Energy, Traffic Control	Motion Control, Industrial Automation, On-Machine, Packaging, Alternative Energy	Industrial Automation, On-Machine, Marine, Process Control, Robotics, Motion Control	Outdoor&Indoor LED Lighting, Heavy Equipment, Marine Electronics, Broadband Wireless Access	Outdoor & Indoor LED Lighting, Heavy Equipment, Renewable Energy	Industrial Automation, Outdoor & Indoor LED Lighting, Heavy Equipment	Electrosurgical Devices, Patient Monitoring, Electrophysiology, Diagnostic Imaging	Marine	Industrial Automation, Outdoor & Indoor LED Lighting, CCTV & Security	Broadband Wireless Access, Industrial Automation, Heavy Equipment	Pro Audio, Stage lighting, Special Effects, Musical Instruments, Industrial solutions	Heavy Equipment, Transportation, Marine, Diagnostic, Alternative Energy	Diagnostic Connector for Agriculture	Connection between tractor and implement Standardized connection according ISO 11783-2	Heavy Equipment, Transportation, Fuel Injection Systems, Rail Mass Transit	Industrial Automation, On-Machine, Rail Transit, Process Control, Robotics
Coupling System	Quick Locking/Bayonet/Thread	Metal screw / Bayonet	Metal Threaded & Quick Locking	Plastic & Metal Threaded	Bayonet & Screw Thread	Push-Lock	Push-Lock Mechanism	Intuitive 1/4 Turn Auto-Coupling System	Screw Thread	Push -Pull	Screw Thread or Lock Bayonet	Various	Quick Locking Latch or Bayonet	Reverse bayonet	Bayonet	Quick Locking Latch	Quick Latching
Contact Positions	3-48	2-14	6-19	2-12	2-31	2-18	2-18	Up to 128	4-5	2-6	4-24	2-8	1-47	3,5,6,9	2+2+4+1	2+4+6	1-216
Voltage	Up to 900V	Up to 300V	Up to 800V	Up to 630V	300V	300V	300V	300 V RMS / 150VAC	60V	100-300V	30-60V	50-250VAC	24V	24V	13A- 60A / 24VDC	1600V	Up to 1000V
AWG/mm2	0,14-95 mm ²	10 to 28 AWG	12 to 28 AWG	12 to 24 AWG	14 to 26 AWG	12 to 20 AWG	12 to 24 AWG	16 to 26 AWG	15 to 24 AWG	20 to 24 AWG	23 to 32 AWG	Up to 12 AWG	6-22 AWG	12-20 AWG	6-16 mm ²	16-20 AWG	0,09-95 mm ²
Contact Current Ratings	Up to 300A	Up to 10A	Up to 70A	3 to 16A	2 to 20A	5 to - 20A	2 to 20A	0,5 to 30A	4 to 8A	2 to - 5A	1 to 5A	1,2 to 30A	7,5 to 100A	13 to 25A	Up to 60A	13A	Up to 325A
IP Ratings	IP65 /IP69K mated	IP 65/67 IP69K mated	IP 67 mated	IP65/67 mated	IP66/67 mated	IP 67/68 mated	IP 68 mated	IP67 mated	IP 68 mated	IP 68 mated	IP67/IP 68 mated	UP to IP 65 mated	IP67/IP 69 K mated	IP67 mated	IP67 / IP69K mated	IP67 mated	Up to IP69K mated
Mating Cycles	500+	500+	500 +	100 +	1000+	250	1000	500	1000+	2000+	1000 to 10000+	500 to 1000	100+	100	100+	100	500+



Series	Mil 5015 Threaded derivatives	MIL 26482 derivatives	MIL 38999 THREADED: AMPHE-LITE™	Micro-Bayonet	5015 - DL Series	FLO	LVRC35 /H32 Series	Excelmate / UPC	Surlok Plus	Powerlok	Radlok	HVSP	HVPT&HVPC	MSD	EPower-Life	EMP (Electrical Motor Power)	HVBI/HVG	
Product Image																		
Typical Applications	Motors, Gearboxes, Controllers	Motors, Gearboxes, Controllers, Traffic control	Diesel Engine, Heavy Equipment, GPS Equipment, Communications, Security	Telecommunications, Factory Automation, Industrial Instrumentation, Robotics, Security	Robotics, Industrial Automation	Medical, Test&Measurement Instrumentation, Industrial Control, Broadcast, Robotics, Machines	ECU - PDU HEV Heavy Equipment	Electric Vehicles, Power Converters, Battery Packs, Starter Generators	Energy Storage, Electric Vehicles	Electric Vehicles, Hybrid Solutions, Power Box, Battery Storage	Heavy Equipment, Transportation, Marine, Diagnostic, Alternative Energy	Energy Storage	Electric Vehicles , Power Distribution units, Drives	Electric vehicles/ Battery Packs	Electric vehicles/ Battery Packs	Electric vehicles, Hybrid Solutions, Power Converters, AC&DC Inverters	Rail Mass Transit, Electrical Motor Power Supply	Battery Pack, Power Distribution Unit, Electric Vehicles
Coupling System	Thread	Bayonet	Thread	Quick Bayonet Coupling	DL3102A 18-10P + DL3106A 18-10S	Push-Pull	Locking lever/Locking latch	Latching Style (Finger actuated 2 Stage Lever assist)	Integrated Slide Locking System	Quick audible locking clip	Quick audible locking clip	Quick lock system	Screw mounting	Finger actuated 2 Stage Lever Assist	Latching Style (Finger actuated 2 Stage Lever assist)	Lever	Push-Pull with HVIL or Audible Click	
Contact Positions	Up to 104	Up to 55	Up to 128	7 -15	3-7	2-64	26-35	1-6	1-2	1-4	1	1	1-3	N/A	2-4	Up to 4	Up to 5	
Voltage	3000VAC	600 to 1000V	Up to 900V	250V	250V	1000V	Up to 250V	Up to 1000V	1000V	1000V	Up to 1000V	1000V	1000V	Up to 1000V	1000V	Up to 4000VAC	Up to 1000V	
AWG/mm²	0-20 AWG	12 to 20 AWG	10 to 22 AWG	0,2 to 0,5 mm ²	4 to 16 AWG	16 to 28 AWG	14-22 AWG	Up to 95 mm ²	Up to 95 mm ² Radsok	Up to 150 mm ²	10-150 mm ²	25-70 mm ²	25-70 mm ²	N/A	2,5-25 mm ²	Up to 240 mm ²	Up to 70 mm ²	
Contact Current Ratings	Up to 150A	7,5A to 23A	Up to 33A	3 A S & F contacts	Up to 80A	1,5 to 50A	7,5 to 25A	Up to 450A	350A	Up to 500A	500A	Up to 250A	N/A	630A	Up to 120A	Up to 700A	Up to 250A	
IP Ratings	IP 67 mated	IP 67 mated	IP 67 mated	IP 67 mated	IP 67 mated	IP 50/IP68 mated	IP 67 mated	IP67 / IP 69K mated	IP67 mated IP2x unmated	IP69k mated IP2x unmated	IP 40/67 mated	IP67&IP69K mated	IP67 & IP 69K mated	IP67 & IP69K mated	IP67 mated	IP67 mated	IP67/IP 69 mated	
Mating Cycles	500	500	500	500	500	3000+	100	100	100	500	500	50	N/A	50 +	100	500	500	

The Industrial market footprint of Amphenol covers over facilities in more than 30 countries worldwide. This product overview highlights our primary Industrial end-markets and our comprehensive portfolio of leading interconnection technologies. It is designed to help understand the Industrial capabilities of Amphenol to achieve its high-technology aspirations.

Series	ADGC/ASGC	ARC (Acme Threaded Anti Vibration)	XCel Power Mate	Neptune	Amphe EX
Product Image					
Typical Applications	Boogies, Converters, Pantograph, Battery charges, WT&MVB, Ethernet	Inercar Jumpers, Propulsion Systems, Electric Couplers	Power Distribution, Data Center, Storage System, Inverter	Industrial Power	O&G, RMT, CRANES, PORTS
Coupling System	Reverse Bayonet	Double Stub Acme Thread Coupling	Auto Latch Mating Mechanism	Thread	Thread
Contact Positions	3-48	1-85	6-19	16	39
Voltage	Up to 500V	Up to 500V	Up to 800V	1000V	23A / 1250V DC
AWG/mm²	8-16 AWG	18 to 40 AWG	1,5-16 mm²	1,5-120 mm²	0,25-1,5 mm²
Contact Current Ratings	Up to 50A	Up to 245A / 350A Radsok	23 to 63A	200A	23A
IP Ratings	IP 67 mated	IP67-68 mated	IP 67 mated	IP67/68 mated	IP 67/68 mated
Mating Cycles	2000 +	1000	500	500	500



Series	Rig-Lok	Amphe 309	Starline EX	AMHTC	battery mate
Product Image					
Typical Applications	Industrial Power	Oil&Gas, Petrochem, Food Application	O&G, RMT, CRANES, PORTS	Mass Transportation, Traction Motor	Power distribution & battery applications
Coupling System	Reverse Bayonet	Thread	Thread	Bayonet	Locking lever
Contact Positions	6-20	3,4&5	Up to 80	1	1
Voltage	2500V	Up to 690V	1000V	1000V	1500V
AWG/mm²	120 - 400 mm²	1-50 mm²	1 to 500 mm²	Up to 240 mm²	35mm² / 50mm²
Contact Current Ratings	up to 800A	12, 32, 63, 125A	1500A	750A	200A
IP Ratings	IP 67/68 mated	IP 67 mated	IP 67/68 mated	IP 67 mated	IP 30 mated
Mating Cycles	2000+	1000	500	1000 +	≥ 500

Use our global resources. "Think global, act local!" Independently from where you are in the world, we offer you our global expertise and great variety of products and technologies. And in comfort with your personal contact. Our numerous offices are your access to our global resources.

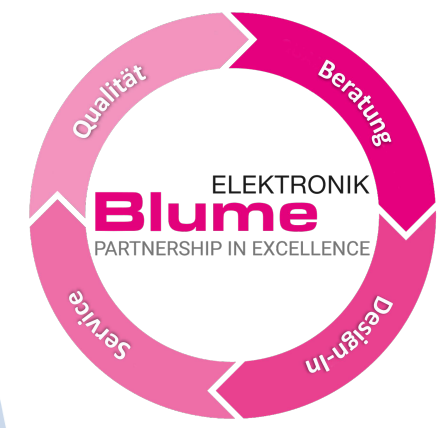
Series	Power to board	FICX	Helios H4/UTX	Terminal Blocks	Smart Card C700
Product Image					
Typical Applications	Server, Data Center, PCB	Lighting, Broadband Wireless Access, IP CCTV & Security	Solar, PV	Factory Automation	Point of Sales Terminals, Digital Decoders, Vending
Coupling System	Single pole PCB/BUSBAR mount	Screw Thread	Push-lok	N/A	Push, Push-Pull, Push-Push, Pushmatic
Contact Positions	1	2-5	1	2-64	8
Voltage	N/A	600 V	Up to 1500 V	Up to 1000 V	N/A
AWG/mm²	2,4-14 mm²	14 to 18 AWG	8 to 12 AWG	28 to 4 AWG	28 AWG
Contact Current Ratings	30 to 500A	8A to 20A	50A	Up to 75A	N/A
IP Ratings	IP 20 mated	IP 68 mated	IP 68 mated	Up to IP 20 mated	N/A
Mating Cycles	50	N/A	50	500 +	500,000+



Series	Vent	SSL	Flex Circuits	Cable Glands	Groundmate Click fit
Product Image					
Typical Applications	Industrial Automation, Broadband Wireless Access, Outdoor & Indoor LED Lighting	Outdoor & Indoor LED lighting, ITS & CCTV, Outdoor Distribuion boxes, LED Displays	Industrial, Medical, Heavy Equipment, Server, Robotics, EV battery, other	Automation, Robotics, Measurement and Control equipment, Manufacturing Machinery	Small Electric Vehicles, Machine Tools, Medica, Grounding fast connection
Coupling System	Screw Thread / Snap-In	Locking latches	N/A	N/A	Click-fit
Contact Positions	N/A	1-6	Custom Specific	N/A	8 mm Radsok
Voltage	N/A	100 - 600V	Up to 1500V	N/A	50 to 1000V
AWG/mm²	N/A	18-22 AWG	per design	N/A	10-50 mm²
Contact Current Ratings	N/A	3 to 12A	75A	N/A	Up to 200A
IP Ratings	IP 68/69K mated	IP 68 mated	N/A	Up to IP 68 mated	IP 00
Mating Cycles	N/A	100+	N/A	N/A	1000

Amphenol

Industrial Products Group



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Solutions Guide

Product Line Overview

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