



Amphenol



SHORTFORM



Amphenol Australia Pty Ltd

Amphenol Corporation is one of the world's largest interconnect manufacturers. Founded in 1932, Amphenol designs, manufactures, and markets electrical, electronic, and fiber optic connectors, interconnect systems, and coaxial and specialty cables.

The market for industrial interconnect technology globally is expanding as the world becomes more modernized. Some of the major driving forces behind this come from the expansion of energy, oil & gas exploration, medical advancements, transportation, and communications. Amphenol's Industrial Products Group (AIPG) combines decades of experience with the latest technology to provide the best solutions in the industry. Our products are engineered and manufactured to the highest degree of quality and sold by a worldwide sales and marketing organization

Amphenol Australia was established in 1998 and is based in Melbourne, Victoria and is the Sales, Marketing and Engineering centre of excellence for an extensive range of professional connector and

cabling products. Continuous improvement through ISO9001, a focus on environmental awareness and development of next generation industry leading products is our philosophy.

The ability of Amphenol to provide a full range of design services required to support the customers applications design and modelling, applications engineering, fabrication, value-added assembly and testing, coupled with the largest interconnect offering on the market means that we can support all of your system level needs.

This shortform catalogue is designed as a quick-reference guide for products generally stocked in Australia. Users should not rely on the information contained within other than for simple part number identification. Product specifications and technical data is available for each series in their respective full line catalogues which can be provided on request

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SurLok Plus™ Series

The Surlok Plus™ compression lug is a field installable, high reliable alternative to common compression lugs. Using industry standard crimp, screw, and busbar termination options, thus, eliminating the need to purchase special torque tools.

Amphenol’s Surlok Plus™ is an environmentally sealed version of our original Surlok but available in smaller sizes, and features a quick lock and press-to-release design. Incorporating the latest R4 RADSOK® Technology, Surlok PlusM is a compact, quick mating, and robust product line.

The RADSOK® high amperage contact technology utilizes high tensile strength properties of a stamped and formed, high conductivity alloy grid to produce low insertion forces while maintaining a large conductive surface area.

The R4 version of the RADSOK® represents the culmination of three years of research and development in laser welding copper-based alloys.

Features

- R4 RADSOK® Technology
- IP67 Rated
- Touch Proof
- Quick lock and press-to-release design
- “Keyway” design to prevent incorrect mating
- 360° rotating plug
- Various termination options (Threaded, Crimp, Busbar)
- Compact robust design

Technical Data

Contact Size*	5.7mm (120A) / 8mm (200A)
Current Rating	100A ~ 350A (up to 400A)
Operating Voltage	1000VAC/DC
Operating Temp.	-40°C to 125°C
Flammability	UL 94 V-0
Locking	Spring Locking

*Current rating dependant on cable conductor size

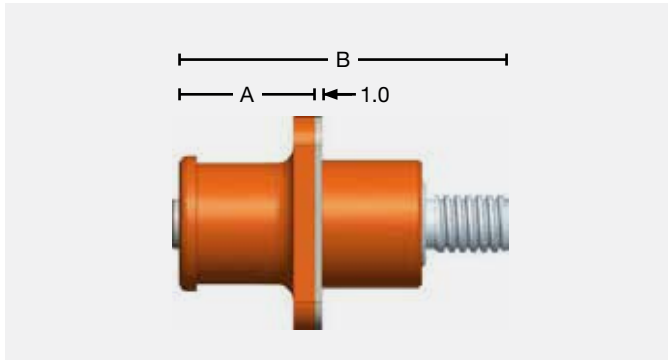
SurLok Plus™

Receptacle Panel Mount

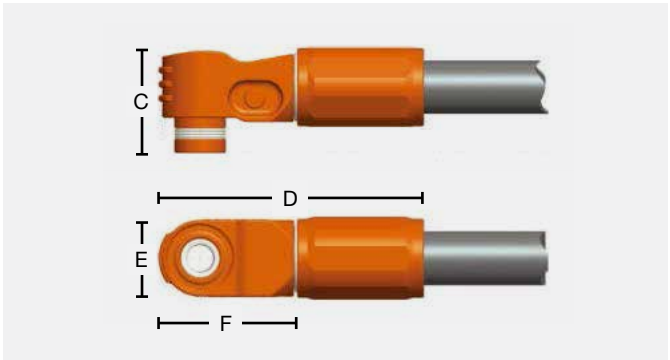
Image	Termination	Radsok® Size (mm)	Part Number
	Threaded Post	5.7	SLPRATPSR
		8	SLPRBTPSR
	Threaded Post	5.7	SLPRATPSB
		8	SLPRBTPSB
	Threaded Post	5.7	SLPRATPSO
		8	SLPRBTPSO

Plug Right Angled with Backshell

Image	Cable Size	Radsok® Size (mm)	Amps	Part Number
	16mm²	5.7	100	SLPPA16BSR
	25mm²	5.7	120	SLPPA25BSR
	35mm²	8	150	SLPPB35BSR
	50mm²	8	200	SLPPB50BSR
	16mm²	5.7	100	SLPPA16BSB
	25mm²	5.7	120	SLPPA25BSB
	35mm²	8	150	SLPPB35BSB
	50mm²	8	200	SLPPB50BSB
	16mm²	5.7	100	SLPPA16BSO
	25mm²	5.7	120	SLPPA25BSO
	35mm²	8	150	SLPPB35BSO
	50mm²	8	200	SLPPB50BSO



	A	B
5.7mm	16.5	36.7
8mm	19.0	46.2



	C	D	E	F
5.7mm	22.6	55.1 Ref	18	30
8mm	29	74.5 Ref	21.6	38.4

Technical Information

Radsok® Size	3.6mm	5.7mm	8.0mm	8.0mm EMI	10.3mm
Current Rating	50A - 70A	100A - 120A	120A - 200A	150A - 250A	250A - 350A
Operating Temp.	-40°C - 125°C	-40°C - 105°C			
Sealing	IP67 (Mated)				
Flammability	UL 94 V-0				
Locking	Spring Locking			Spring Locking w CPA	Spring Locking
RoHS Compliant	Yes				
EMI Shielding	No			Yes	No
HVIL Function	No			Yes	No
Durability	>100 Cycles				

*For non-stocked part numbers (e.g. 10.3mm [350A] contact sizes), please contact us



HPT Series

HPT Series connectors are suitable for AC power supply where a durable latch locking connector is required. They are rated at 16A, 250 Vac. HPT Series connectors can be connected or disconnected under load and are IP65 rated.

Features

- 2+PE contact layout
- Quick release, vibration resistant latch lockable
- High impact UV resistant material
- Thermoplastic Shell
- True Mains Connector with Current Breaking Capacity (CBC)
- 16A current rating (20A USA)
- Industry standard mating interface
- IP65 rated
- Patent Protected*
- UL498 certified
- UL50E enclosure type 4 (when mated or in combination with protective caps)

HPT Series 3 Pole

Chassis Connector
TAB 1/4" Terminal

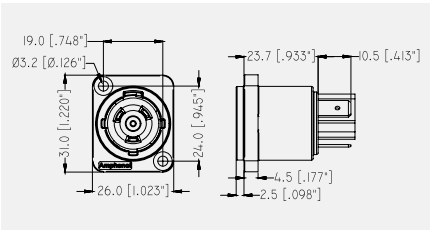
Cable Connector
Screw Terminal

				
Product Code	HPT-3-MD	HPT-3-MDW	HPT-3-F	HPT-3-FJ
Type	Inlet	Inlet	Outlet	Outlet
Insulation	Yes	-	-	-
Lockable Backshell	-	-	Yes	-

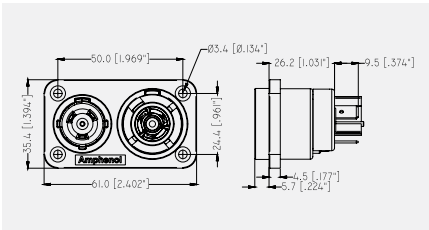
				
Product Code	HPT-3-FD	HPT-3-FDW	HPT-3-M	HPT-3-MJ
Type	Outlet	Outlet	Inlet	Inlet
Insulation	Yes	-	-	-
Lockable Backshell	-	-	Yes	-

	
Product Code	HPT-3-CC
Type	Inlet / Outlet

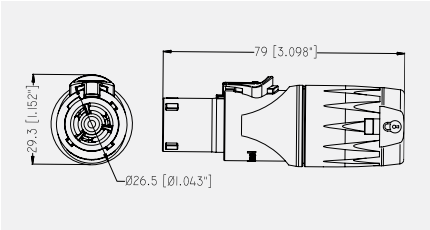
Drawings



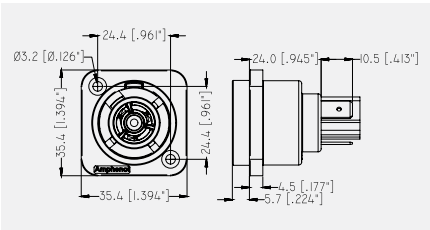
Chassis Connector Inlet



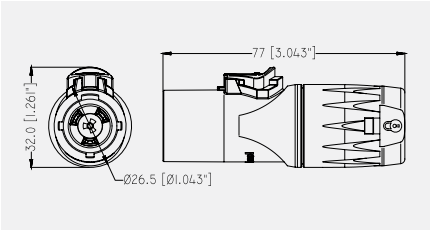
Chassis Connector Inlet/Outlet



Cable Connector Outlet



Chassis Connector Outlet



Cable Connector Inlet

Accessories

Dust Caps	Inlet	Outlet	Inlet / Outlet
			
Cap with Lanyard	HPT-CAPM	HPT-CAPF	HPT-CAPD
			
Self-closing Cap	HPT-CAPSM	HPT-CAPSF	HPT-CAPSD

Tools	Description	Part Number
	Cable Connector Backshell Removal Tool	HPT-RT

Standard Data

General Characteristics	
Contacts	2 + PE
Termination	2mm Hex key screw terminal (Cable Connector) Flat Tab 1/4" (Chassis Mount)
Flammability	UL94V-0
Environmental	Complies with EU RoHS 2 Directive 2011/65/EU

Electrical Characteristics	
Rated Operating Voltage	250VAC
Test Voltage AC RMS	1500V
Current Carrying Capacity	16A (20A USA)
Typical Contact Resistance	≤2mΩ
Insulation Resistance (Initial)	≥2GΩ
Insulation Resistance (after damp heat test)	≥0.1GΩ

Climatic Characteristics	
Protection Class	IP65, UL50E enclosure type 4 (in mated or in combination with protective caps)
Operating Temperature	-25°C to +80°C (-13°F to +176°F)

Mechanical Characteristics	
Weight ¹	15g (0.033lb) / 25g (0.055lb) [Chassis Mount] 40g (0.088lb) [Cable Connector]
Typical Cable Retention Force	Subject to cable material and O.D.
Cable O.D Range	6.0 -12.0 mm with lockable backshell 7.5 -16.0 mm with non-lockable backshell
Conductor Size Screw Terminals	2.5mm ² (AWG12)
Materials	
Shell / Finish	PA66 GF30 / Black
Insulators	PA66 GF30
Cable Boot / Backshell	Neoprene / PBT
Material / Plating	Copper Alloy / Silver
Protective Caps	Santoprene, UV resistant (Base) PA66 & Santoprene, UV resistance (Overmolded Cap) Stainless Steel SS304 (Chain)
Protective Caps (Self closing)	Polycarbonate, UV resistant (Base) Polycarbonate & Santoprene, UV resistant (Overmolded Cap) Silicone Rubber (Gasket) Stainless Steel SS304 (Chain)

¹Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes



ATM Series™

ATM Series™ connectors are a high-performance, cost-effective solution specifically designed for smaller AWG applications, while still maintaining the strengths of the AT Series™ product line.

The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. Connector housings are manufactured with a thermoplastic material that is not only durable, but has excellent UV resistance, dielectric/mechanical properties and environmentally RoHS compliant. The sealing system is comprised of an internal and rear silicone, multi-sealing perimeter against environmental ingress. Contacts are derived from quality copper alloy to ensure an electrically-reliable connection.

ATM Series™ connectors are compatible with other existing standard products industry-wide.

Product Material

Housings	Thermoplastic
Seals	Silicone Elastomer
Secondary Locks	Thermoplastic
Contacts	Copper Alloy, Nickel Plated, Gold Option

Features

Current Capacity	Size 20, 7.5A (max)
Wire Range	Size 20 contacts - 16 to 22AWG
Operating Temp. Range	-55°C to +125°C at rated current
Dielectric Value	Meets/exceeds 1500 volts min.
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 89 lbs
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 89lbs. times the number of contacts to a maximum of 356 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Insulation Resistance	1000 megohms minimum at 25°C
Mating Cycle Durability	Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident
Contact Millivolt Drop	Size 20 contacts with 20AWG conductor -60mV (solid) drop max at 7.5A test current
Water Immersion	A mated connection, properly wired, placed in an oven at +125°C for 1 hour, then placed immediately in a depth of water 1 meter for 4 hours without loss of electronic performance

ATM Series™ Connector Configurations

Step 1 - Choose a Plug



Standard

OR



Strain Relief

+



Wedgelock
Required for all Plugs

Step 2 - Choose Contacts



Step 3 - Choose a Receptacle



Standard

OR



Strain Relief

+



Wedgelock
Required for all Receptacles

Step 4 - Choose Contacts



Mating
Parts

ATM Series™

No. of Positions	Receptacle Pin Contacts		Plug Socket Contacts	
	Receptacle	Wedgelock	Plug	Wedgelock
2 Way	 ATM04-2P	 AWM-2P	 ATM06-2S	 AWM-2S
3 Way	 ATM04-3P	 AWM-3P	 ATM06-3S	 AWM-3S
4 Way	 ATM04-4P	 AWM-4P	 ATM06-4S	 AWM-4S
6 Way	 ATM04-6P	 AWM-6P	 ATM06-6S	 AWM-6S
8 Way	 ATM04-8PA	 AWM-8P	 ATM06-8SA	 AWM-8S
12 Way	 ATM04-12PA	 AWM-12P	 ATM06-12SA	 AWM-12S

ATM Series™ with Strain Relief

No. of Positions	Receptacle Pin Contacts		Plug Socket Contacts	
	Receptacle	Wedgelock	Plug	Wedgelock
2 Way				
	ATM04-2P-SR01B	AWM-2P	ATM06-2S-SR01B	AWM-2S
3 Way				
	ATM04-3P-SR01B	AWM-3P	ATM06-3S-SR01B	AWM-3S
4 Way				
	ATM04-4P-SR01B	AWM-4P	ATM06-4S-SR01B	AWM-4S
6 Way				
	ATM04-6P-SR01B	AWM-6P	ATM06-6S-SR01B	AWM-6S

Contacts

Plating	Pin Size 20, 20-22AWG		Socket Size 20, 20-22AWG	
	Image	Part Number	Image	Part Number
Nickel		AT60-202-20141		AT62-201-20141
Gold		AT60-202-2031		AT62-201-2031

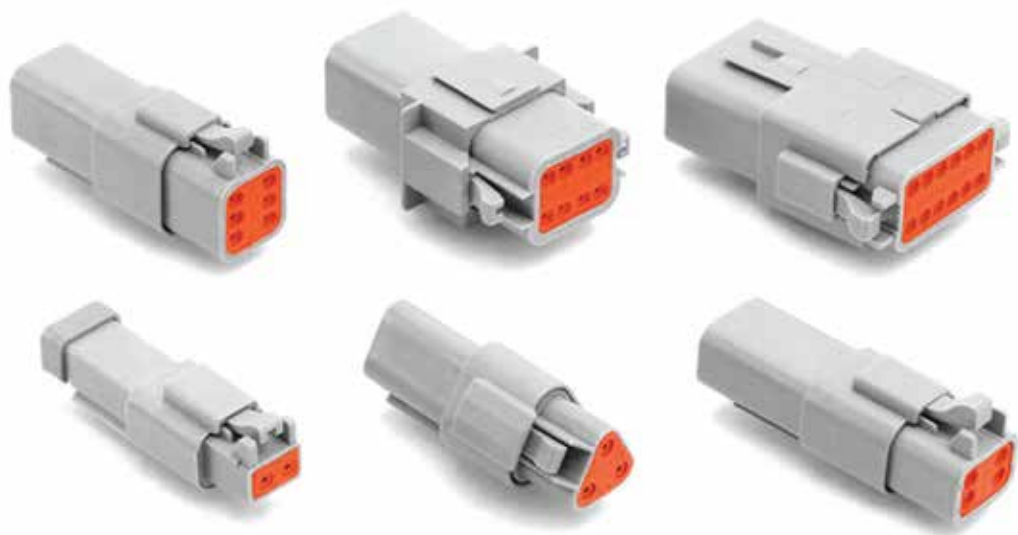
Accessories

Seal Plugs

Image	Colour	Part Number
	White	AT13-204-2005
	Black (for SR01 Series)	AT13-204-2005-SR

Tools

Image	Description	Part Number
	Contact Removal Tool	ATRT-100
	Tool Frame	M22520/1-01
	Turret	M22520/1-02



AT Series™

AT Series™ connectors are a high-performance, cost-effective solution able to be used in a variety of interconnect applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural. They contain superior environmental seals and seal retention capabilities.

The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. Connector housings are manufactured with a thermoplastic material that is not only durable, but has excellent UV resistance, dielectric/mechanical properties and environmentally RoHS compliant. The sealing system is comprised of a front and rear silicone, multi-sealing perimeter against environmental ingress. Contacts are derived from quality copper alloy to ensure an electrically - reliable connection.

AT Series™ connectors are compatible with other existing standard products industry-wide.

Product Material

Housings	Thermoplastic
Seals	Silicone Elastomer
Secondary Locks	Thermoplastic

Features

Current Capacity	Size 16, 13A (max)
Wire Range	Size 16 contacts - 14 to 20AWG
Operating Temp. Range	-55°C to +125°C at rated current
Dielectric Value	Meets/exceeds 1500 volts min.
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10 -2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Insulation Resistance	1000 megohms minimum at 25°C
Mating Cycle Durability	Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident
Contact Millivolt Drop	Size 16 contacts with 16AWG conductor -100mV drop max at 13A test current
Water Immersion	A mated connection, properly wired, placed in an oven at +125°C for 1 hour, then placed immediately in a depth of water 1 meter for 4 hours without loss of electronic performance

AT Series™ Connector Configurations

Step 1 - Choose a Plug



Standard

OR



Strain Relief
- End Cap
- Standard Seal
- Reduced Diameter Seal

+



Wedgeloock
Required for all Plugs

Step 2 - Choose Contacts



Step 3 - Choose a Receptacle



Standard

OR



Strain Relief
- End Cap
- Standard Seal
- Reduced Diameter Seal

+



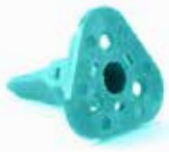
Wedgeloock
Required for all Receptacles

Step 4 - Choose Contacts



Mating
Parts

AT Series™

Receptacle Pin Contacts				Plug Socket Contacts	
No. of Positions	Image	Wedgelock	Image	Wedgelock	
2 Way					
	AT04-2P	AW2P	AT06-2S	AW2S	
3 Way					
	AT04-3P	AW3P	AT06-3S	AW3S	
4 Way	 				
	AT04-4P AT04-4P-GRN / AT04-4P-YEL	AW4P	AT06-4S	AW4S	
6 Way					
	AT06-6P	AW6P	AT06-6S	AW6S	
8 Way					
	AT06-8PA	AW8P	AT06-8SA	AW8S	
12 Way					
	AT06-12PA	AW12P	AT06-12SA	AW12S	

AT Series™ with Strain Relief

Receptacle Pin Contacts			Plug Socket Contacts	
No. of Positions	Image	Wedgelock	Image	Wedgelock
2 Way				
w/ Strain Relief End Cap	AT04-2P-SB01	AW2P	AT06-2S-SB01	AW2S
2 Way				
Standard Seal (.088 - .145")	AT04-2P-SR01BLK	AW2P	AT06-2S-SR01BLK	AW2S
4 Way				
Standard Seal (.088 - .145")	AT04-4P-SR01BLK	AW4P	AT06-4S-SR01BLK	AW4S
Reduced Seal (.053 - .120")	AT04-4P-SR02BLK		AT06-4S-SR02BLK	
6 Way				
Standard Seal (.088 - .145")	AT04-6P-SR01BLK	AW6P	AT06-6S-SR01BLK	AW6S
Reduced Seal (.053 - .120")	AT04-6P-SR02BLK		AT06-6S-SR02BLK	
12 Way				
Reduced Seal (.053 - .120")	AT04-12PA-SR2GY	AW12P	AT06-12SA-SR2GY	AW12S

AT Series™ with LED

Plug Socket Contacts			
No. of Positions	Grey	Black	Wedgelock
2 Way			
w/ Strain Relief End Cap	AT06-2S-LED1230 LED, 12V, Clear Endcap, Grey Body, SR01, Green LED	AT06-2S-LED2430 LED, 24V, Clear Endcap, Black Body, SR01, Green LED	AW2S-LED

Accessories

Tools	Description	Part Number
	LED Contact Removal Tool	50-80590

AT Series™ Bulkhead

Receptacle Size 16 Pin Contacts

No. of Positions	Receptacle
48	 
Keyed A/B/C/D, Sealed Flange	AT04-48P-B016

Plug Socket Contacts

No. of Positions	Plugs, Reduced Diameter Seal (E-SEAL), End Cap				Wedgelock
12 Way					
Key Position	AT06-12SA-MM01 A	AT06-12SB-MM01 B	AT06-12S-MM01 C	AT06-12SD-MM01 D	AW12S

Contacts

Pin Size 16

Socket Size 16

Plating	Image	AWG	Part Number	Image	AWG	Part Number
Nickel		16-20	AT60-202-20141		16-20	AT62-201-16141
		14*	AT60-215-16141		14*	AT62-20 -16141
Gold		16-20	AT60-202-1631		16-20	AT62-201-1631
		14*	AT60-215-1631		14*	AT62-20 -1631
Nickel Stamped & Formed 4000 pcs/reel		16-18	AT60-16-0122		16-18	AT62-16-0122
		14-16	AT60-14-0122		14-16	AT62-14-0122
Gold Stamped & Formed 4000 pcs/reel		16-18	AT60-16-0144		16-18	AT62-16-0144
		14-16	AT60-14-0144		14-16	AT62-14-0144

*Green Band

Accessories

Protective Cover

No. of Positions Part Number

	2 Way	AT06-2S-CAP
	4 Way	AT06-4S-CAP

Boot (Backshell)

to Suit Part Number

	6 Way Receptacle	AT6P-BT-BK
	6 Way Plug	AT6S-BT-BK

Seal Plugs

Colour Part Number

	White	A114017
	Black (for SR01 Series)	A114017-SR

Tools

Description Part Number

	Contact Removal Tool	ATRT-100
	Tool Frame	M22520/1-01
	Turret	M22520/1-02

Repair Kit

Kit Inclusion

Part Number

	AT04-2P: 2 Pin Receptacle (15) AT04-3P: 3 Pin Receptacle (10) AT04-4P: 4 Pin Receptacle (10) AT04-6P: 6 Pin Receptacle (10) AT04-08PA: 8 Pin Receptacle (5) AT04-12PA: 12 Pin Receptacle (5) AT06-2S: 2 Pin Plug (15) AT06-3S: 3 Pin Plug (10) AT06-4S: 4 Pin Plug (10) AT06-6S: 6 Pin Plug (10) AT06-08SA: 8 Pin Plug (5) AT06-12SA: 12 Pin Plug (5) AW2P: 2 Pin Receptacle Wedge (15) AW3P: 3 Pin Receptacle Wedge (10) AW4P: 4 Pin Receptacle Wedge (10)	AW6P: 6 Pin Receptacle Wedge (10) AW8P: 8 Pin Receptacle Wedge (5) AW12P: 12 Pin Receptacle Wedge (5) AW2S: 2 Pin Plug Wedge (15) AW3S: 3 Pin Plug Wedge (10) AW4S: 4 Pin Plug Wedge (10) AW6S: 6 Pin Plug Wedge (10) AW8S: 8 Pin Plug Wedge (5) AW12S: 12 Pin Plug Wedge (5) AT62-201-16141: Female Contacts - Machined (150) AT60-201-16141: Male Contacts - Machined (150) AT-RT100: Removal Tool for Contact/Wedges (1) AT-RCT100: Universal Repair Case Tool (1) AT-RM100: Repair Manual (1) A114017: Blank Seal 16Awg (20)	AT-RK 100
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AT PanelMate™ Series

The Amphenol PanelMate™ series combines flange mounting options with the proven reliability of the AT/ATP Series™ environmentally-sealed thermoplastic connection system.

Engineered with a one-piece sealed flange design for rapid and secure mounting, its durable high temperature silicone facial seal provides a barrier of protection from lubricating oils, hydraulic fluids and fossil fuels to withstand the challenges and complexities of harsh environment applications.

Product Material

Housings	Thermoplastic
Latch	Integrated latch for mating

Features

Current Capacity	Size 16, 13A (max)
Wire Range	Size 12 contacts - 12 to 14AWG Size 16 Contacts - 14 to 20AWG
Operating Temp. Range	-55°C to +125°C at rated current
Dielectric Value	Meets/exceeds 1500 volts min.
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Insulation Resistance	1000 megohms minimum at 25°C
Mating Cycle Durability	Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident
Contact Millivolt Drop	Size 16 contacts with 16AWG conductor -100mV drop max at 13A test current
Water Immersion	A mated connection, properly wired, placed in an oven at +125°C for 1 hour, then placed immediately in a depth of water 1 meter for 4 hours without loss of electronic performance

AT PanelMate™ Series

Receptacle Pin Contacts / Panel Mount / Self-threading

No. of Pos.	Image	Standard	RD01 Seal Only	Cap Only	RD01 Seal + Cap	Wedglock
2 Way						
			AT04-2P-PM12		AT04-2P-PM14	AW2P
3 Way						
					AT04-3P-PM14	AW3P
4 Way						
		AT04-4P-PM11	AT04-4P-PM12	AT04-4P-PM13	AT04-4P-PM14	AW4P
6 Way						
					AT04-6P-PM14	AW6P

Options

*-PM11	Standard Red Seal
*-PM12	RD01 Green Seal
*-PM13	Standard Red Seal, End Cap
*-PM14	RD01 Green Seal, End Cap

Contacts

Pin Size 16

Plating	Image	AWG	Part Number
Nickel		16-20	AT60-202-20141
		14*	AT60-215-16141
Gold		16-20	AT60-202-1631
		14*	AT60-215-1631
Nickel Stamped & Formed 4000 pcs/reel		16-18	AT60-16-0122
		14-16	AT60-14-0122
Gold Stamped & Formed 4000 pcs/reel		16-18	AT60-16-0144
		14-16	AT60-14-0144

*Green Band

Socket Size 16

Image	AWG	Part Number
	16-20	AT62-201-16141
	14*	AT62-20 -16141
	16-20	AT62-201-1631
	14*	AT62-20 -1631
	16-18	AT62-16-0122
	14-16	AT62-14-0122
	16-18	AT62-16-0144
	14-16	AT62-14-0144

Accessories

Seal Plugs

Colour	Part Number
White	A114017



Tools

Description	Part Number
Contact Removal Tool	ATRT-100
Tool Frame	M22520/1-01
Turret	M22520/1-02







BoardLock™ AT Series

The Amphenol BoardLock™ Family combines flanged or flangeless, 180° straight or 90° right angle pin-oriented, wire-to-board versatility with the proven reliability of the A Series™ environmentally-sealed thermoplastic connection system with a maximum current rating up to 25A.

Featuring a compact, durable, low-profile and lightweight design, perfect for power or data signal applications in Heavy Equipment, Transportation, Industrial, Off-Road and Harsh Environments.

All BoardLock™ product lines accept A Series™ components and are compatible with other industry-standard mating connectors.

- Features**
- Coupling System: Integral Latch
 - Available in 2, 3, 4, 6, 8, 12 and 13 position
 - Housing Material: Thermoplastic
 - AWG: 12 & 16AWG
 - Contact Current Ratings: 7.5 – 25A
 - Mating Cycles: 100+
 - Contact Types: Machined, PC Tail

BoardLock™ AT Series

Receptacle Pin Contacts / Potting

Image	No. of Positions	Contact Plating	Mount	Product Code
	2 Way	Nickel	PCB/ Board Mount	AT04-2P-BM04
	4 Way	Nickel	PCB / Board Mount	AT04-4P-BM04



ATP Series™

ATP Series™ connectors are designed as a high-performance, cost-effective, thermoplastic solution to be used within the Marine, Heavy Equipment, Agricultural, Automotive, Alternative Energy fields, as well as other demanding interconnect applications.

Available in 2 and 4 position options, the ATP Series™ Connectors contain superior environmental seals, seal retention capabilities and are designed for use with 10-14AWG with size 12 contacts handling up to 25A.

ATP Series™ connectors are compatible with other existing standard products industry-wide.

Product Material

Housings	Thermoplastic
Seals	Silicone Elastomer
Secondary Locks	Thermoplastic
Contacts	Pins & Sockets: Copper Alloy Finish: Nickel Plated, Gold optional

Features

Current Capacity	Size 12, 25A (max)
Wire Range	Size 12 contacts - 12 to 14AWG
Operating Temp. Range	-55°C to +125°C at rated current
Dielectric Withstanding Voltage	Current leak less than 2 milliamps at 1500 VAC
Physical Shock	No unlocking, unmating or other unsatisfactory results during or after 50 G's in each of three usually perpendicular planes. No electrical discontinuities longer than 1 microsecond. M L-STD 202. Method 213, Condition "C".
Vibration	Maintains continuity and exhibits no mechanical or physical damage after vibration levels of 20 G's at 10-2000 Hz
Insulation Resistance	1000 megohms minimum at 25°C
Corrosion Resistance	Connectors show no evidence of corrosion after exposure to 48 hours of salt spray per MIL - STD 1344, method 1001
Submersion	IP67. Wired and mated connection will withstand immersion under three feet of water without loss of electronics qualities or leakage.
Fluid Resistance	Connectors show no damage when exposed to most fluids used in industrial applications.
Contact Retention (Minimum Load)	70lbs. for Size 12 contacts.
Thermal Cycle	No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C.
Durability	No electrical or mechanical defects after 100 cycles of engagement and disengagement.

ATP Series™

Receptacle Pin Contacts				Plug Socket Contacts	
No. of Positions	Image	Wedgelock	Image	Wedgelock	
2 Way					
	ATP04-2P	AWP-2P	ATP06-2S	AWP-2S	
4 Way					
	ATP04-4P	AWP-4P	ATP06-4S	AWP-4S	

Contacts Size 12, 12-14AWG

Pin			Socket	
Plating	Image	Part Number	Image	Part Number
Nickel		AT60-204-12141		AT62-203-12141
Gold		AT60-220-1231		AT62-210-1231

Accessories

Seal Plugs			Tools	
Image	Colour	Part Number	Image	Description Part Number
	White	A114017		Contact Removal Tool ATRT-100
				Tool Frame M22520/1-01
				Turret M22520/1-02



AHD Series™

Amphenol Sine Systems AHD Series™ Connectors were developed in response to the overwhelming need for an economic alternative to today's existing diagnostic product options.

Designed specifically as a cost-conscious, reliable alternative, intermateable to industry standard 6 and 9 pin connectors, the AHD Series™ is ideal for any situation where either controlled and/or uncontrolled environmental conditions exist. Amphenol Sine Systems AHD Series™ Connectors offer both a smooth, non-sealing option for controlled applications, as well as an environmentally-sealed, threaded option for more demanding applications.

Features

- Integrated Alignment Keys Tactile verification for blind mating
- Strong Thermoplastic Housing
- Extended service life
- Operating Temperature Range -55°C to +125°C - Wide range compatibility
- Economically Sound Low overall cost
- ROHS Compliant Environmentally friendly

AHD Series™

Receptacle							Plug		
Pos.	Size	Contact	Arrangement	Type	Seal	Image	Type	Seal	Image
14	18	Size 16	Standard	Pin	Normal		Socket	Normal	
				AHDP04-18-14PN-WTA			AHDP06-18-14SN-WTA		
			Reversed	Socket	Normal		Pin	Normal	
				AHDP04-18-14SN-WTA			AHDP06-18-14PN-WTA		
21	18	Size 20	Standard	Pin	Reduced		Socket	Normal	
				AHDP04-18-21PN-WTA			AHDP06-18-21SN-WTA		
			Reversed	Socket	Reduced		Pin	Normal	
				AHDP04-18-21SN-WTA			AHDP06-18-21PN-WTA		
23	24	Size 16	-	Pin	Normal		Pin	Normal	
				AHDP04-24-23PN-WTA			AHDP06-24-23PN-WTA		

Contacts

Pin

Socket

Plating	Image	Size	AWG	Part Number	Image	Size	AWG	Part Number
Nickel		16	16-20	AT60-202-20141		16	16-20	AT62-201-16141
		16	14*	AT60-215-16141		16	14*	AT62-20 -16141
		20	20-22	AT60-202-20141		20	20-22	AT62-201-20141
Gold		16	16-20	AT60-202-1631		16	16-20	AT62-201-1631
		16	14*	AT60-215-1631		16	14*	AT62-20 -1631
		20	20-22	AT60-202-2031		20	20-22	AT62-201-2031

*Green Band

Accessories

Backshell

	Description	Size	Cable OD mm	Part Number
	WTA, Tie-wrap holes	18	14.5 - 18	AHDPBS-18-001
	WTA	24	-	AHDPBS-0406-001
	WTA, 2PC, Compression Nut	24	14.5 - 18	AHDPBS-0406-002
		24	19.5 - 24.1	AHDPBS-0406-003
		18	14.5 - 18	AHDPBS-18-002
	WTA, Sealed Cable Grommet	24	14 - 18	AHDPBS-0406-SM01
		18	13 - 16	AHDPBS-18-SM01

End Cap

	Description	Size	Part Number
	Receptacle Cap Sealed	24	AHDC06-24
		18	AHDC06-18
	Plug Cap Sealed	24	AHDC04-24
		18	AHDC04-18
	Plug Cap, Sealed & Threaded	24	AHDC04-24-PM
	Plug Cap with Tether, Threaded, Lockwasher, Sealed	24	AHDC04-24-PMT
	Plug Cap with Tether, Sealed	24	AHDC04-24-T

Panel Nut

	Size	Part Number
	24	AHDP24-PN01
	18	AHDP18-PN01

Rubber Flange

	Size	Part Number
	24	AHDP-16-04477
	18	AHDP-16-04978

Accessories

Tools	Description	Part Number
	Contact Removal Tool	Size 20 AT11-240-2005
		Size 16 AT11-310-1605
	Tool Frame	M22520/1-01
	Turret	M22520/1-02

Seal Plugs	Colour	Part Number
	White	A114017



RJ45, USB & Fibre Optic

RJF allows you to use an Ethernet Class D / Cat. 5e connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

With the patented RJStop® system you can use a standard RJ45 cordset in a metallic plug which will protect it from shocks, dust and fluids.

No hazardous on-field cabling and grounding!

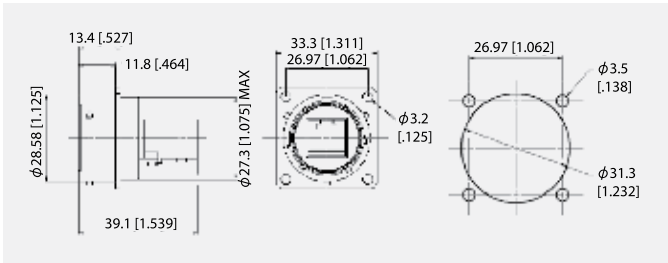
Features

- Bayonet coupling
- Robust metallic shells based on MIL-DTL-26482 H
- RJ45 cordset retention in the plug: 100 N in the axis
- Mating cycles: 500 min
- Sealed against fluid and dust (IP68)
- Shock, Vibration and Traction resistant
- No cabling operation in field and no tools required
- Mechanical Coding / Polarization (4 positions)
- Compatible with cable diameter from 6 mm [0.236 in] to 13 mm [0.512 in]
- RoHS Compliant

RJ45 & USB

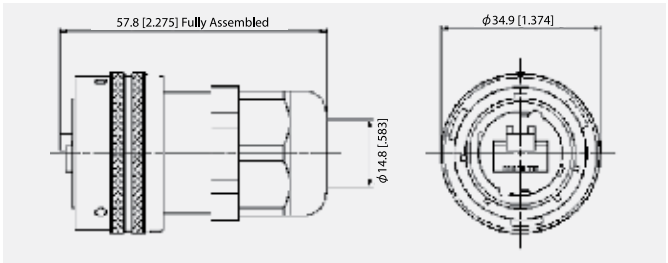
Receptacle

Image	Description	Part No
	Square flange Female RJ45 back termination	RJF 2 1 B



Plug

Image	Gland	Part No
	Plastic	RJF 6 B
	Metal	RJF 6 MB



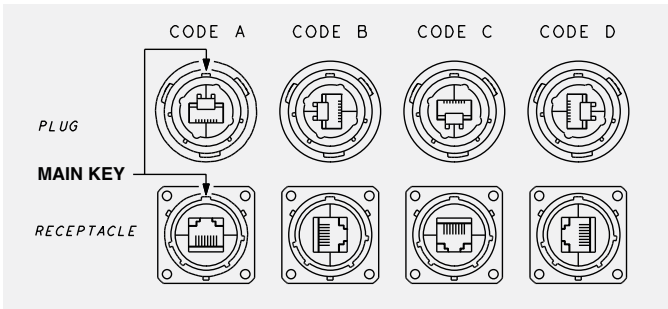
Accessories

Gasket	to Suit	Part Number
	RJF21B and RJFSCC	JE18

Cap	Material	to Suit	Part Number
	Plastic (self-closing)	RJF21B	RJF SCC

Tool	Description	Part Number
	Inset/Removal Tool	RJF ODE

	Metal	RJF21B	RJFC 2 B
	Metal	RJF6B / RJF6M	RJFC 6 B



CONEC RJ45-IP67 17 Series Cat 5e

Receptacle	Coupling	Material	Part No
	M28	Metal	17-101604
	Bayonet	Plastic	17-110024
	Bayonet to M28	Plastic	17-10000
	Bayonet to M28	Zinc Die-cast	17-101814

Plug	Coupling	Material	Part No
	M28	Metal	17-100944
	Bayonet	Plastic	17-10001
	Bayonet	Metalised Plastic	17-10011
	Bayonet	Zinc Die-cast	17-10044

CONEC RJ45-IP67 17 Series Cat 6A

Receptacle	Coupling	Material	Part No
	Bayonet	Plastic	17-160174
	Bayonet	Plastic	17-160184

Plug	Coupling	Material	Part No
	Bayonet	Plastic	17-150234
	Bayonet	Plastic	17-150244

CONEC LC DUPLEX FIBRE OPTIC IP67 17 Series

Receptacle	Coupling	Material	Mode	Part No
	Bayonet	Plastic	Single	17-300820
			Multi	17-300830

Plug	Coupling	Material	Mode	Part No
	Bayonet	Plastic	Single	17-300200
			Multi	17-300220

USB 3.0

Receptacle	Coupling	Material	Part No
	Bayonet	Plastic	17-241001

Plug	Coupling	Material	Part No
	Bayonet	Plastic	17-240071



XLRnet Series

XLRnet was designed in conjunction with the Amphenol Data / Telecom product group of Amphenol Canada Corp., a subsidiary of Amphenol Corporation.

Utilising our combined expertise and knowledge of the professional audio and high-speed data markets we are proud to offer the XLRnet series. Featuring Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) ethernet performance in A, B or D shell housings with integrated LED's and complete shielding options we have your high-speed data requirements covered.

Features

- Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) ethernet performance
- A, B or D type chassis housings
- IDC or IDC 110 punch down terminals
- RJ45 feedthrough panel connectors
- Shielded or non-shielded
- LED indicators in a variety of colours.
- Compact design
- Cable plug housings
- Quick and simple installation

Options

- Horizontal or Vertical PCB contacts
- Bulk Packaging
- LED colour - Red, Green, Yellow or Blue combinations

XLRnet

Cable Plug to suit preassembled RJ45 cables

Plug	Finish	Part No
	Nickel	RJX8M
	Black	RJX8MB

Chassis Receptacle D Type

Receptacle	Description	Type	Part No
	Feedthrough	Cat5e	RJX8FD5T
	IDC Terminals, 110 Type	Cat5e	RJX8FD5110
		Cat6	RJX8FD6110
	IDC Terminals	Cat5e	RJX8FD5I
		Cat6	RJX8FD6I
	Feedthrough with Protective Cap	Cat5e	RJXS8FG5T



USB / HDMI Series

Features

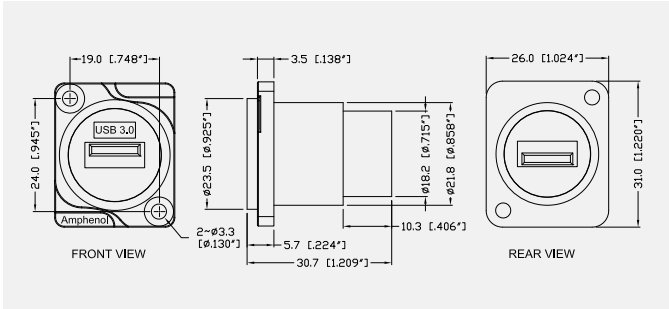
- Data connectors
- Feedthrough adaptors
- USB 3 Type A
- HDMI receptacles

Options

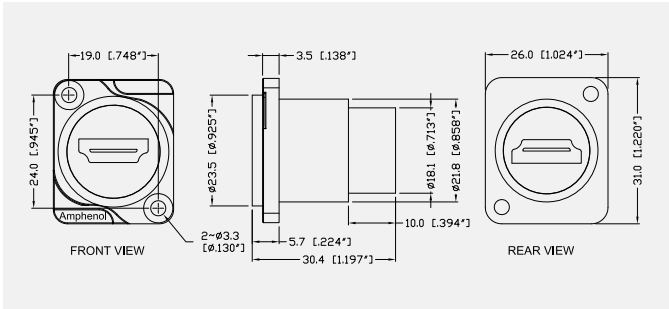
- Nickel or Black Shell Finish

Feedthrough Adapter D Flange

Type	Image	Colour	Part No
USB Type A		Nickel	AC-USB3-AA
		Black	AC-USB3-AAB
HDMI		Nickel	AC-HDMI-RR
		Black	AC-HDMI-RRB



USB Type A



HDMI



M12 Cable Assemblies

The need for high data transmission rates is growing continuously as a result of increasing decentralization in the industrial environment. More and more nodes in the field level have to exchange large amounts of data in real time.

The M12 X-coded connector was developed to ensure reliable transmission of up to 10 Gbit/s in industrial environments with Cat. 6A performance.

The CONEC range of connection cables with Cat. 6A performance is implemented by the M12 X-coded to M12 X-coded version and by the design of M12 X-coded to RJ45. This allows cabling from the field level with increased protection requirements (IP67) directly into the control level, i.e. into a protected environment.

In order to lead the interface from a device in the control with RJ45 interface at the control cabinet to the outside, the product range is supplemented by an M12 X-coded flange with overmoulded cable connection. This allows the interface to be routed without having to carry out time-consuming assembly work in the field. The patch cables are supplied fully assembled and tested.

In case the conditions on site do not allow the use of ready-made cable assemblies, the field-attachable M12 X-coded connector with crimp connection completes the CONEC product range.

All M12 X-coded patch cords are available in both straight and angled versions and meet the requirements of CAT6A up to 500 MHz. When mated, the PUR overmoulded connectors meet protection class IP65/IP67 and can thus be used in industrial environments.

Advantages

- Easy assembly in the field
- Transmission rate up to 10 Gbit/s
- Compact design
- Protection class IP67
- 360° shielded

Fields of Application

- Automation technology
- Industrial interfaces
- Communication technology
- Machine manufacturing
- Control technology
- Telecommunications
- Wireless controller



eco|mate®

When there are rough environmental conditions the eco|mate® Series is in. The program includes a variety of housing types and a wide range of contact arrangements and contact technologies.

Solutions up to 900V or 50A can be realized. The housing is made of high performance composite material and is extremely robust and lightweight. Two types: Field installable screw termination and cost effective crimp versions for machine processing. The bayonet quick release allows for an easy and reliable mating / unmating.

Features

- ecolmate boasts an IP65/67 protection class rating in mated condition
- ecolmate circular threaded coupling connectors available in 3+PE and 6+PE, complete with clamping ring or internal strain relief
- ecolmate 3+PE, offers a screw type (0.75-2.5mm²) termination rated up to 16A @ 400VAC and is IP65 when mated
- ecolmate 6+PE, offers a solder type (max.0.75mm²) termination rated up to 10A @ 250VAC, or a crimp type (0.14-1.5mm²) termination rated up to 13A @ 250VAC and is IP67 when mated
- The stocked C16-3 5+PE, offers a screw type termination rated up to 21A @ 400VAC and is IP65 when mated
- Housing components made from premium Polyamide 6.6 molding material
- Mechanical durability of 500 Mating cycles

eco|mate®

3+PE / 6+PE

Receptacle

Cable Connector

Pos.	Panel	Straight	Right Angle
3+PE			
			
Black	C016 20C003 100 12	C016 20D003 110 12	C016 20F003 100 12
Blue	-	C016 20D003 110 10	-
Gender	Male	Female	Female
Termination	Screw	Screw	Screw
Cable Outlet OD	-	6-10mm	6-12.5mm
Strain Relief	-	Internal	with Clamping Ring

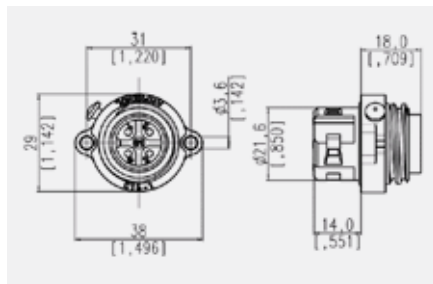
			
Black	C016 20G003 100 12	C016 20H003 110 12	C016 20K003 100 12
Blue	-	C016 20H003 110 10	-
Gender	Female	Male	Male
Termination	Screw	Screw	Screw
Cable Outlet OD	-	6-10mm	6-12.5mm
Strain Relief	-	Internal	with Clamping Ring

6+PE

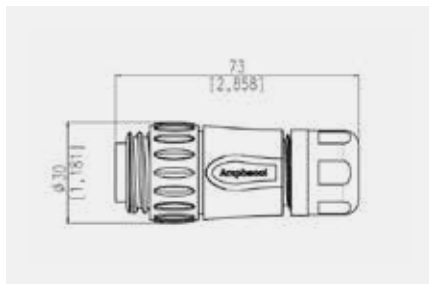
					
Part No.	C016 30C006 100 12	C016 10C006 000 12	C016 30D006 110 12	C016 10H006 000 12	C016 30F006 100 12
Gender	Male		Female		Female
Termination	Solder	Crimp	Solder	Crimp	Solder
Cable Outlet OD	-	-	6-10mm	6-12.5mm	6-12.5mm
Strain Relief	-	-	Internal	w Clamping Ring	

					
Part No.	C016 30G006 100 12	C016 10G006 000 12	C016 30H006 110 12	C016 10D006 000 12	C016 30K006 100 12
Gender	Female		Male		Male
Termination	Solder	Crimp	Solder	Crimp	Solder
Cable Outlet OD	-	-	6-10mm	6-12.5mm	6-12.5mm
Strain Relief	-	-	Internal	w Clamping Ring	

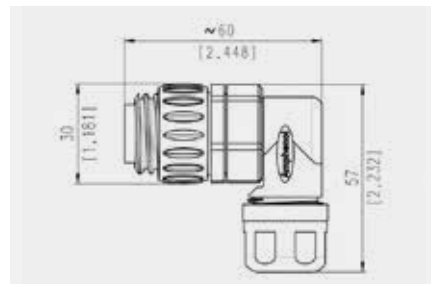
Drawings



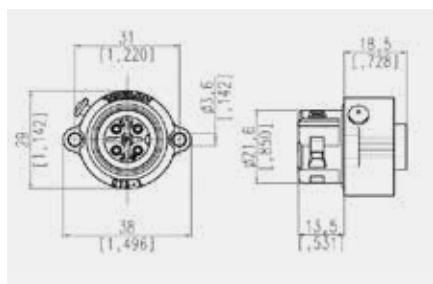
Receptacle (Male)



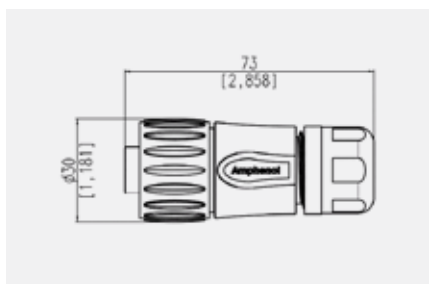
Straight Plug (Male)



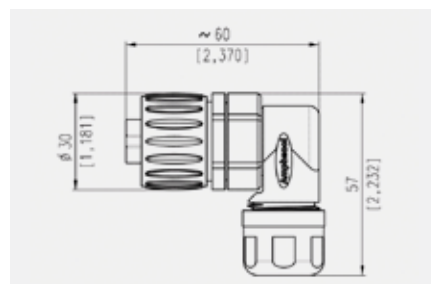
Right Angle Plug (Male)



Receptacle (Female)



Straight Plug (Female)



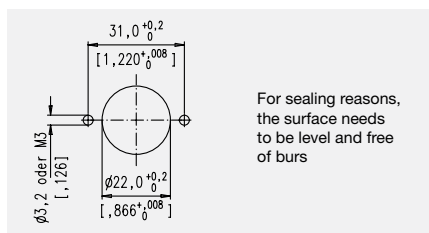
Right Angle Plug (Female)



3+PE



6+PE



Mounting Cut-out

For sealing reasons,
the surface needs
to be level and free
of burs

Accessories

Contacts	Type	Plating	Wire Gauge	Part Number
	Pin	Silver	0.14 - 0.5mm ²	VN 01 016 0011 (1)
	Pack of 100	Silver	0.5 - 1.5mm ²	VN 01 016 0004 (1)
		Gold	0.5 - 1.5mm ²	VN 01 016 0004 (2)
	Socket	Silver	0.14 - 0.5mm ²	VN 02 016 0003 (1)
	Pack of 100	Silver	0.5 - 1.5mm ²	VN 02 016 0002 (1)
		Gold	0.5 - 1.5mm ²	VN 02 016 0002 (2)

Cover

Male

Female

for Cable Connector



C016 00U000 010 12 C016 00V000 010 12

for Receptacle



C016 00U000 000 12 C016 00V000 000 12

Tool

Description

Part Number

Internal
Cable Clamp**N161102000X**

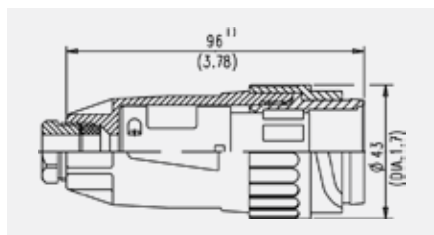
Hand Crimping Tool

TA 0100 146Front Release
Removal Tool suits**FG 0300 146 1**.N01 016 0011(.)
.N01 016 0004(.)
.N02 016 0003(.)
.N02 016 0002(.)

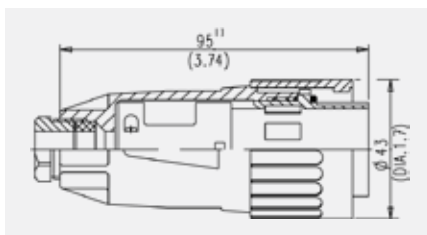
eco|mate® C16-3 5+PE Shell Size 2 / Screw Termination

Pos.	Receptacle	Cable Connector			
	Panel	Long		Short	
5+PE					
					
Part No.	C016 20G005 100 2	C016 20I005 103 2	C016 20I005 104 2	C016 20H005 103 2	C016 20H005 104 2
Gender	Female	Male		Male	
Cable Outlet OD	-	12-14mm	14-16mm	10-12mm	12-14mm
Strain Relief	-	Internal		w Clamping Ring	
					
Part No.	C016 20C005 100 2	C016 20E005 103 2	C016 20E005 104 2	C016 20D005 104 2	
Gender	Male	Female		Female	
Cable Outlet OD	-	12-14mm	14-16mm	12-14mm	
Strain Relief	-	Internal		w Clamping Ring	

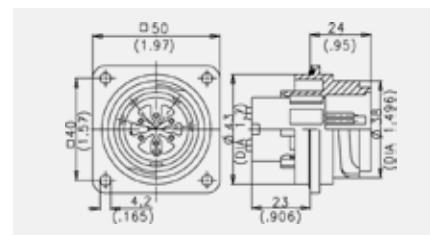
Drawings



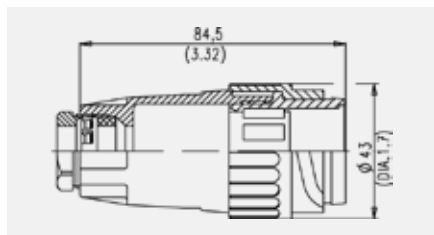
Cable Connector (M) Long Style I



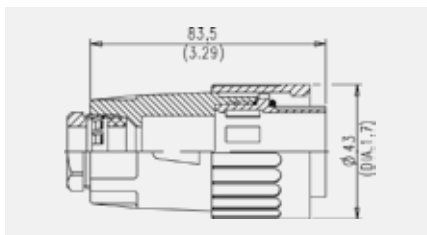
Cable Connector (F) Long Style E



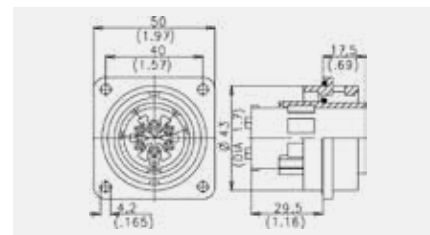
Receptacle (M) Style C



Cable Connector (M) Short Style H



Cable Connector (F) Short Style D



Receptacle (F) Style G

Accessories

Cover

	Male	Female
for Cable Connector		
	C016 00U000 010 2	C016 00V000 010 2
for Receptacle		
	C016 00U000 000 2	C016 00V000 000 2

Other Connectors

Type	Shell Size	Positions (+PE)
C16-3	2	12, 14, 1
C16-3	1	2, 3, 8, 14, 12+3, 17
C16-L	2	4

These connectors are available but not stocked at Amphenol Australia



heavy|mate® C146 Series

heavy|mate® heavy-duty connectors are a modular connector line consisting of hoods & housings, inserts and contacts.

A customizable solution ideally suited for harsh environments where a robust design is necessary. Can be used for creating power and signal connections outdoors. heavy|mate® offers 3 to 280 poles per connector, current ratings up to 250A per contact and voltage up to 1000V.

Features

heavy|mate® C146 A

- Available in 3+PE and 4+PE
- Offers a narrow style with a screw termination insert rated to 18A @ 400VAC 3/4 +PE
- Screw terminals can accommodate wire gauge 0.25 - 2.5mm²

heavy|mate® C146 E

- Contact insert for screw termination with wire protection is rated to:
 - 22A @ 400VAC 6+PE
 - 16A @ 400VAC 10+PE
 - 16A @ 400VAC 16+PE
 - 18A @ 400VAC 24+PE
- Stocked in 6+PE, 10+PE, 16+PE, 24+PE
- Screw terminals can accommodate wire gauge 0.25 - 2.5mm²
- Offers a high protection against mismatching. (Female inserts with funnel shaped contact entry avoids mismatching)
- Housings are supplied complete with a Metric or PG threaded stud
- Housings are rated up to IP65 when mated

heavy|mate® C146A

Insert 400VAC / 10A

Positions

Male

Female

3+PE



C146 10A003 002 4



C146 10B003 002 4

4+PE

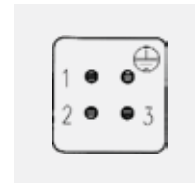


C146 10A004 002 4

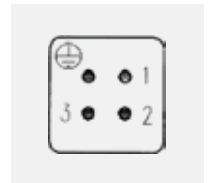


C146 10B004 002 4

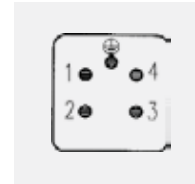
Drawings



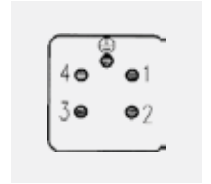
3+PE (Male)



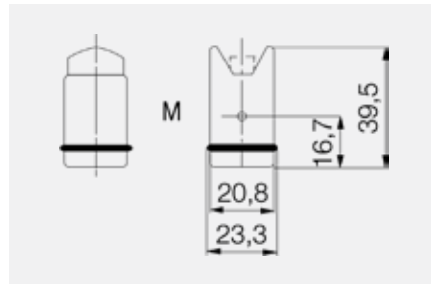
3+PE (Female)



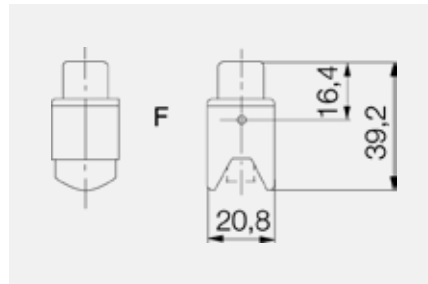
4+PE (Male)



4+PE (Female)



Insert (Male)



Insert (Female)

Adaptor

PG M to Metric F



PG11

PG11/M20

Hood Suits 3 & 4 Pole / PG11 or Metric

Cable to Cable Coupling

Top Entry



M20

C146 30R003 804 4



PG11

C146 30G003 804 4



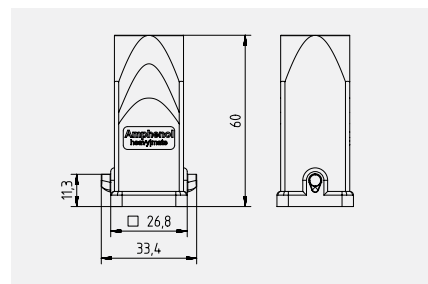
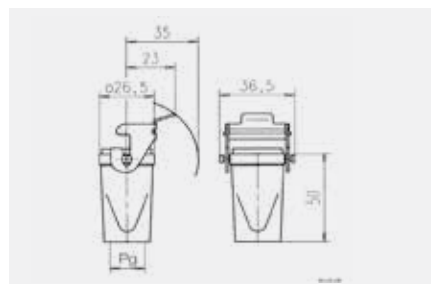
M20

C146 30R003 600 4



PG11

C146 30G003 600 4

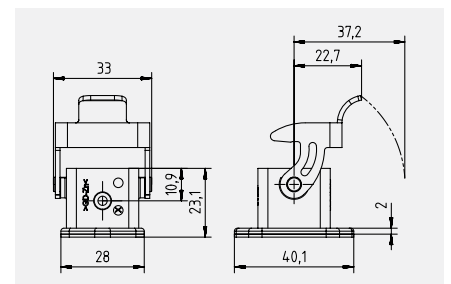


Housing Suits 3 & 4 Pole

Bulkhead Mounting with Gasket



C146 30F003 000 4



heavy|mate® C146E 6+PE

Insert 400VAC / 22A with Wire Protection

Male

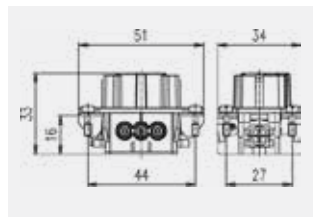
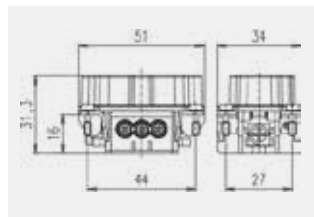


C146 10A006 102 1

Female



C146 10B006 102 1



Hood Low Profile

Type

Side Entry

Top Entry



M20

C146 21R006 506 1

M25

-

PG13.5

C146 10G006 500 1

PG16

-

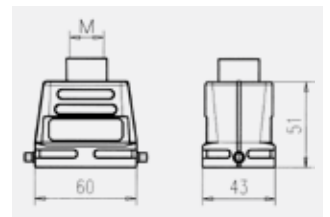
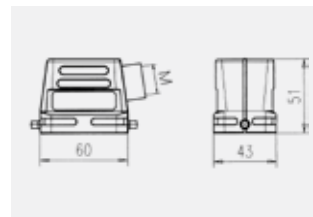


C146 21R006 606 1

C146 21R006 607 1

C146 10G006 600 1

C146 10G006 601 1



Housing

Bulkhead Mounting



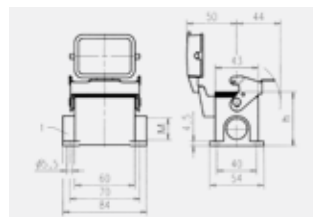
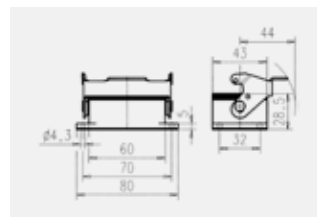
C146 10F006 000 1

Double Side Entry



M20 C146 10N006 607 2

PG16 C146 10F006 606 1



Coupling Hood Low Profile

Type

Side Entry



PG13.5

C146 10G006 804 1

PG16

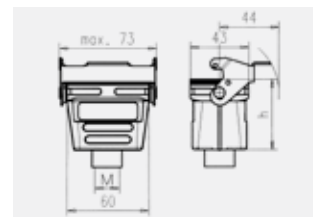
C146 10G006 805 1

M20

C146 21R006 804 1

M25

C146 21R006 805 1



Protective Cover

Housing



C146 10Z006 100 1

Hood



C146 10Z006 200 1

Adaptor

PG to Metric Adaptor



PG13.5

PG13.5/M20

PG16

-



-

PG16/M20

heavy|mate® C146E 10+PE

Insert 400VAC / 16A with Wire Protection

Male

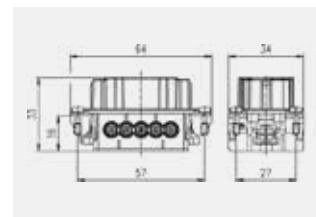
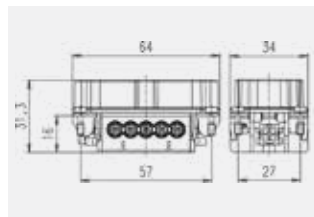


C146 10A010 102 1

Female



C146 10B010 102 1



Coupling Hood

Type Low Profile

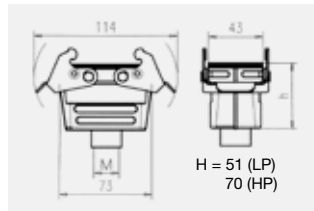


M25 **C146 21R010 802 1**
 M32 -
 PG16 **C146 10G010 802 1**
 PG21 **C146 10G010 803 1**
 PG29 -

High Profile



C146 21R010 802 8
 -
 -
C146 10G010 803 8



H = 51 (LP)
 70 (HP)

Protective Cover

Housing



C146 10Z010 100 1

Hood



C146 10Z010 200 1

Hood

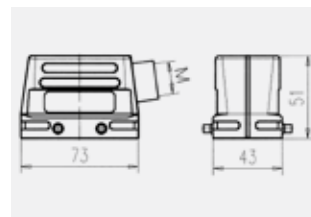
Type Side Entry

Top Entry LP

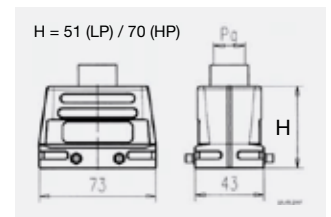
Top Entry HP



M25 **C146 21R010 500 1** -
 M32 -
 PG16 **C146 10G010 500 1** **C146 10G010 600 1** -
 PG21 - **C146 10G010 601 1** -
 PG29 - **C146 10G010 601 8**



Side Entry



Top Entry

Housing

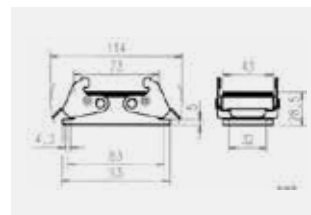
Bulkhead Mount

Single Side Entry

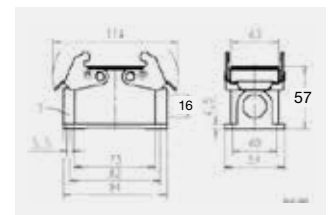
Double Side Entry



M25 - **C146 10N010 500 1** -
 M32 - **C146 10N010 600 2**
C146 10F010 000 1 **C146 10F010 500 1** **C146 10F010 600 1**



Bulkhead Mounting



Single / Double Side Entry

Adaptor

PG Male to Metric Female



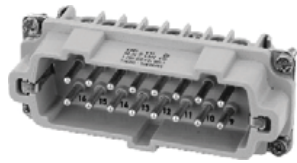
PG21
 PG29

PG21/M25
PG29/M32

heavy|mate® C146E 16+PE

Insert 400VAC / 16A with Wire Protection

Male

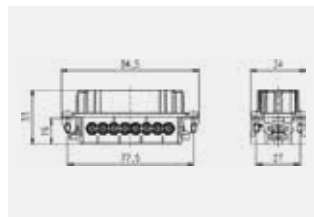
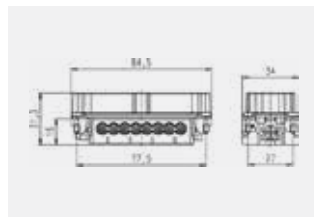


C146 10A016 102 1

Female



C146 10B016 102 1



Hood Low Profile

Type Side Entry

Top Entry



M32 -

C146 21R016 601 8 -

M40

C146 21R016 500 1 -

PG21

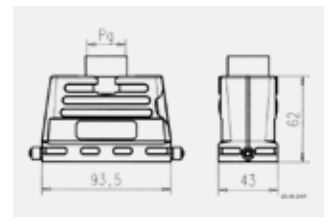
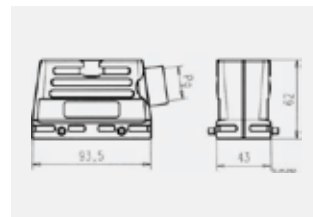
C146 10G016 500 1

C146 10G016 600 1

C146 10G016 606 1

PG29 -

C146 10G016 601 1



Housing

Bulkhead Mounting

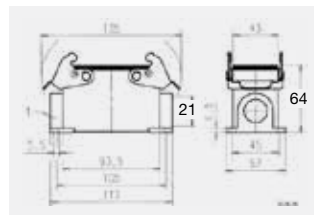
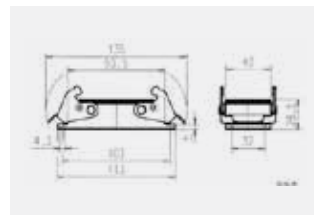


C146 10F016 000 1

Double Side Entry



C146 10F016 600 1



Coupling Hood

Type

Low Profile

High Profile



M40

-

C146 21R016 803 8

PG21

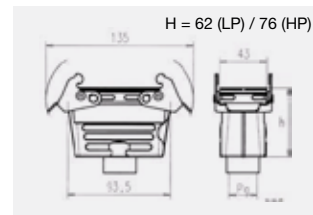
C146 10G016 802 1

-

PG29

-

C146 10G016 803 8



Protective Cover

Housing



C146 10Z016 100 1

Hood



C146 10Z016 200 1

Adaptor

PG Male to Metric Female



PG21

PG21/M25

PG29

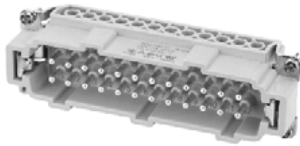
PG29/M32

heavy|mate® C146E 24+PE

Insert 400VAC / 18A with Wire Protection

Male

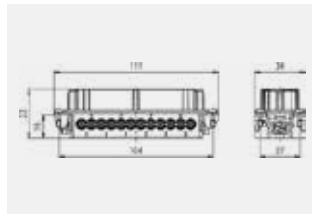
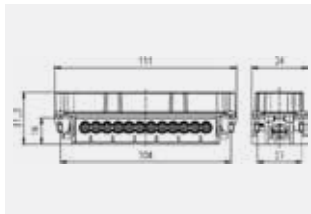
Female



C146 10A024 102 1



C146 10B024 102 1



Hood

Side Entry

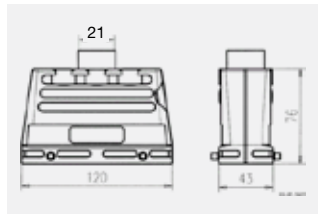
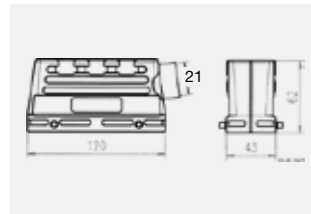
Top Entry



C146 10G024 500 1



M40 C146 21R024 601 8
C146 10G024 600 8



Housing

Bulkhead Mounting

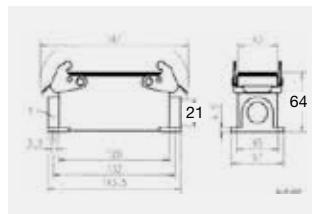
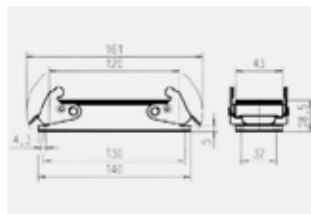
Double Side Entry



C146 10F024 000 1



M32 C146 10N024 600 2
C146 10F024 600 1



Coupling Hood

Type

Low Profile

High Profile



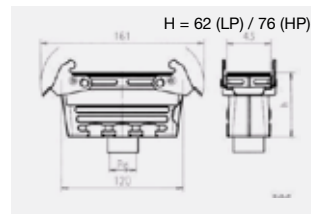
M32 C146 21R024 802 1



M40 - C146 21R024 803 8

PG21 C146 10G024 802 1

PG29 - C146 10G024 802 8



Protective Cover

Housing

Hood



C146 10Z024 100 1



C146 10Z024 200 1

Adaptor

PG Male to Metric Female



PG21

PG21/M25

PG29

PG29/M32

heavy|mate® C146HSE 6+PE

Insert 400VAC / 42A with Wire Protection

Male

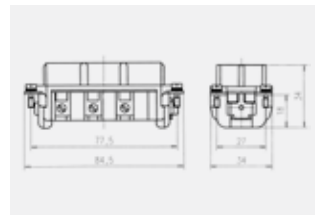
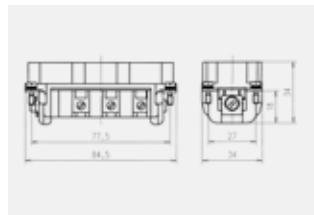
Female



C146 10A006 102 5



C146 10B006 102 5



Hood Low Profile

Type Side Entry

Top Entry

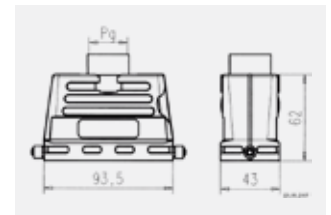
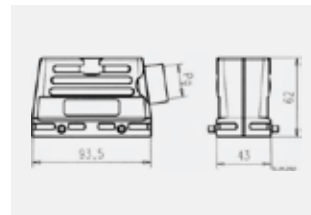


M32 C146 21R016 500 1 C146 21R016 601 8

PG21 C146 10G016 500 1 C146 10G016 600 1 C146 10G016 606 1

PG29 -

C146 10G016 601 1



Housing

Bulkhead Mounting

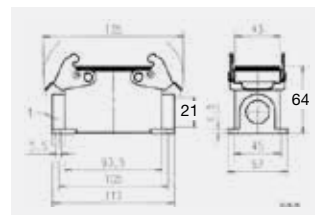
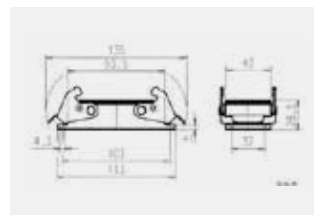
Double Side Entry



C146 10F016 000 1



C146 10F016 600 1



Coupling Hood

Type

Low Profile

High Profile



M40

-

C146 21R016 803 8

PG21

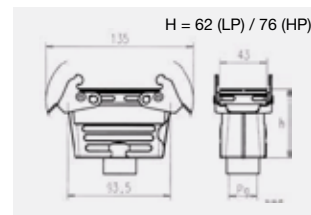
C146 10G016 802 1

-

PG29

-

C146 10G016 803 8



Protective Cover

Housing

Hood



C146 10Z016 100 1



C146 10Z016 200 1

Adaptor

PG Male to Metric Female



PG21

PG21/M25

PG29

PG29/M32

Accessories

Gland Bushing Pack of 10

IP65 with variable inner diameter



PG11	VN16 110 0014 X
PG13.5	VN16 135 0014 X
PG16	VN16 160 0014 X
PG21	VN16 210 0014 X
PG29	VN16 290 0014 X

Cable Clamp Pack of 5

IP65 without gasket
(Requires Sealing)



PG13.5	VN16 135 0002 V
PG16	VN16 160 0002 V
PG21	VN16 210 0002 V
PG29	VN16 290 0002 V

Sealing Pack of 10

Variable inner diameter, and
pressure rings (Required when
using cable clamp)



PG13.5	VN16 135 002 X
PG16	VN16 160 002 X
PG21	VN16 210 002 X
PG29	VN16 290 002 X

Adaptor

PG Male to Metric Female



PG11	PG11/M20	-
PG13.5	PG13.5/M20	-
PG16	-	PG16/M20
PG21	-	PG21/M25
PG29	-	PG29/M32



MS Series

Amphenol MS connectors satisfy all the performance requirements of MIL-C-5015 and are recommended for conditions where vibration, moisture, pressure and / or temperature are extreme.

Features

- Harsh environment multipole connectors.
- Silver plated solder contacts.
- Resilient synthetic rubbers inserts to aid sealing.
- High grade aluminum alloy connector shells.
- Standard contact layouts available exstock in Australia.
- Cable connectors supplied complete with telescopic bushing MS3420. This is designed to keep dirt, oil and moisture out of the endbell.

Shells

Shell components are fabricated from high grade aluminum alloy. The standard hardware plating is electrically zinc plated finish with an olive drab chromate after treatment for corrosion resistance.

Contacts

Contacts are silver plated copper alloy for maximum corrosion resistance, maximum current carrying capacity and low millivolt drop. Size 16 and 12 contacts incorporate a closed entry design.

Contact Layouts

Standard contact layouts shown in this shortform are available ex-stock in Australia. Please contact us directly to check availability of non-standard inserts.

Inserts

Inserts are resilient synthetic rubber, offering high dielectric strength, high arc resistance and resistance to vibration. Proprietary design permits pressurization of either pin or socket insert.

Strain Relief

Strain relief clamp minimizes tension at the solder well connection and provides a positive mechanical moisture seal. Complete field serviceability is possible with the strain relief clamp.

Accessories

We have a large range of MIL-C-5015 accessories available including protection dust caps, EMI shielded backshells and PG, Metric or heat shrink adaptor backshells.

Pre-mating Earth

MS style connectors are also available featuring a pre-mating earth contact. Please call us to discuss your specific requirements.

Finish Options

Standard finish is not RoHS compliant

- 622 Zinc cobalt green conductive
- 624 Zinc cobalt black conductive
- 726 electrophoretic black non-conductive finish
- A23 electroless nickel

MS Series
Integral Cable Clamp (supplied complete with telescopic bushing)

		Receptacle		Plug	
Contacts	Shell	MS3102R Box Mount	MS3101F Cable Connecting	MS3106F Straight	MS3108E Right Angle
2	10SL				
		Pin MS3102R10SL-4P		Socket MS3106F10SL-4S	
					
		Socket MS3102R10SL-4S		Pin MS3106F10SL-4P	
3	10SL				
		Pin MS3102R10SL-3P	MS3101F10SL-3P	Socket MS3106F10SL-3S	MS3108E10SL-3S
					
		Socket MS3102R10SL-3S	MS3101F10SL-3S	Pin MS3106F10SL-3P	MS3108E10SL-3P
	14S				
		Pin MS3102R14S-7P		Socket MS3106F14S-7S	
					
		Socket MS3102R14S-7S		Pin MS3106F14S-7P	MS3108E14S-7P
4	14S				
		Pin MS3102R14S-2P	MS3101F14S-2P	Socket MS3106F14S-2S	
					
		Socket MS3102R14S-2S	MS3101F14S-2S	Pin MS3106F14S-2P	

MS Series

Integral Cable Clamp (supplied complete with telescopic bushing)

		Receptacle		Plug	
Contacts	Shell	MS3102R Box Mount	MS3101F Cable Connecting	MS3106F Straight	MS3108E Right Angle
5	14S				
		Pin MS3102R14S-5P	MS3101F14S-5P	Socket MS3106F14S-5S	
					
		Socket MS3102R14S-5S	MS3101F14S-5S	Pin MS3106F14S-5P	MS3108E14S-5P
6	14S				
		Pin MS3102R14S-6P	MS3101F14S-6P	Socket MS3106F14S-6S	MS3108E14S-6S
					
		Socket MS3102R14S-6S	MS3101F14S-6S	Pin MS3106F14S-6P	MS3108E14S-6P
7	16S				
		Pin MS3102R16S-1P	MS3101F16S-1P	Socket MS3106F16S-1S	MS3108E16S-1S
					
		Socket MS3102R16S-1S	MS3101F16S-1S	Pin MS3106F16S-1P	MS3108E16S-1P
4	16S				
		Pin MS3102R14S-2P		Socket MS3106F14S-2S	
					
		Socket MS3102R14S-2S		Pin MS3106F14S-2P	

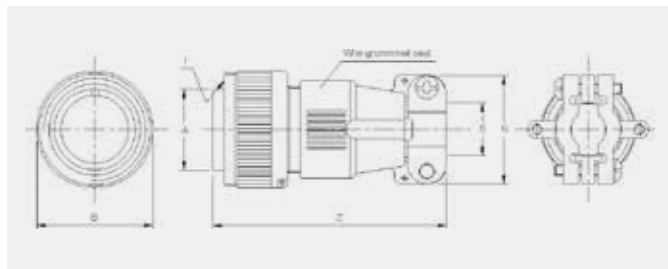
MS Series

Integral Cable Clamp (supplied complete with telescopic bushing)

		Receptacle		Plug	
Contacts	Shell	MS3102R Box Mount	MS3101F Cable Connecting	MS3106F Straight	MS3108E Right Angle
10	18				
		Pin MS3102R18-1P	MS3101F18-1P	Socket MS3106F18-1S	MS3108E18-1S
					
		Socket MS3102R18-1S	MS3101F18-1S	Pin MS3106F18-1P	MS3108E18-1P
14	20				
		Pin MS3102R20-27P	MS3101F20-27P	Socket MS3106F20-27S	MS3108E20-27S
					
		Socket MS3102R20-27S	MS3101F20-27S	Pin MS3106F20-27P	MS3108E20-27P
17	20				
		Pin MS3102R20-29P	MS3101F20-29P	Socket MS3106F20-29S	
					
		Socket MS3102R20-29S	MS3101F20-29S	Pin MS3106F20-29P	
24	24				
		Pin MS3102R24-28P		Socket MS3106F24-28S	
					
		Socket MS3102R24-28S		Pin MS3106F24-28P	

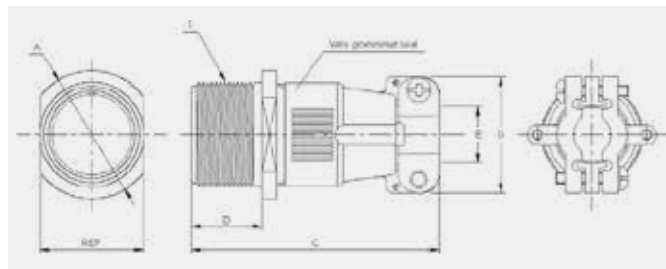
Drawings

3106F Straight Plug



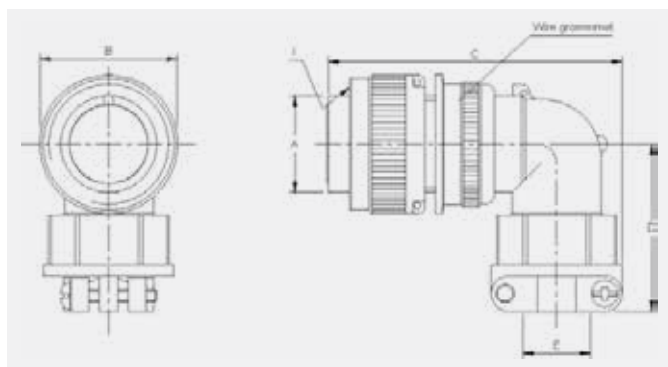
Shell Size	A +0.00 -0.38	B Max	C Max	D Max	OE Max	Thread-2B (UNEF)
10SL	11.33	24.61	55.57	38.1	7.9	5/8-24
14S	17.15	29.36	58.72	40.4	11.2	¾-20
16S	20.45	31.75	61.11	42.8	14.2	¾-20
18	23.62	34.13	72.23	45.2	16	1-20
20	26.67	37.31	82.55	50	19.1	1¼-18
24	33.02	43.66	94.46	53.9	23.8	1½-18

3101F Cable Connecting Plug



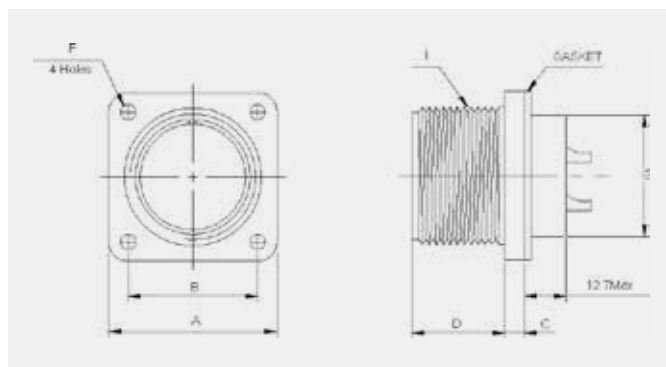
Shell Size	A Max	B Max	C Max	D +0.79 -0.00	OE Max	Thread-2B (UNEF)
10SL	25.4	57.15	14.28	7.9	23	5/8-24
14S	30.18	57.15	14.28	11.2	26	¾-20
16S	32.54	57.15	14.28	14.2	29	¾-20
18	34.93	68.27	19.05	16	31.6	1-20
20	38.1	69.85	19.05	19.1	37.5	1¼-18
24	44.45	75.41	20.63	23.8	43	1½-18

3108F Right Angle Plug



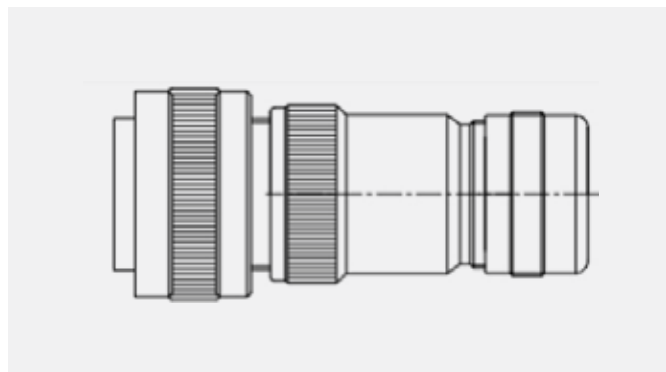
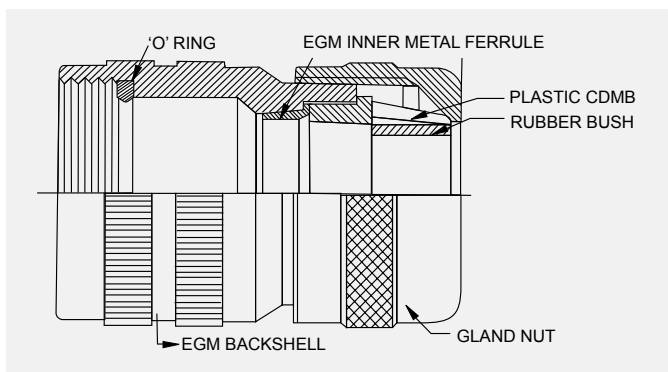
Shell Size	A +0.00 -0.38	B Max	C Max	D Max	OE Max	Thread-2B (UNEF)
10SL	11.33	24.61	55.57	38.1	7.9	5/8-24
14S	17.15	29.36	58.72	40.4	11.2	¾-20
16S	20.45	31.75	61.11	42.8	14.2	¾-20
18	23.62	34.13	72.23	45.2	16	1-20
20	26.67	37.31	82.55	50	19.1	1¼-18
24	33.02	43.66	94.46	53.9	23.8	1½-18

3102R Box Mounting Receptacle



Shell Size	A ±0.79	B ±0.12	C ±0.5	D +0.79 -0.00	OF +0.25 -0.12	OG Max	Thread-2A (UNEF)
10SL	25.4	18.26	3	14.28	3.05	16	5/8-24
14S	30.18	23.01	3	14.28	3.05	20	¾-20
16S	32.54	24.61	3	14.28	3.05	23	¾-20
18	34.93	26.97	4	19.05	3.05	26	1-20
20	38.1	29.36	4	19.05	3.05	29	1¼-18
24	44.45	34.93	4	20.63	3.73	35.5	1½-18

EGM/PHM Adaptors suitable for shielded cable



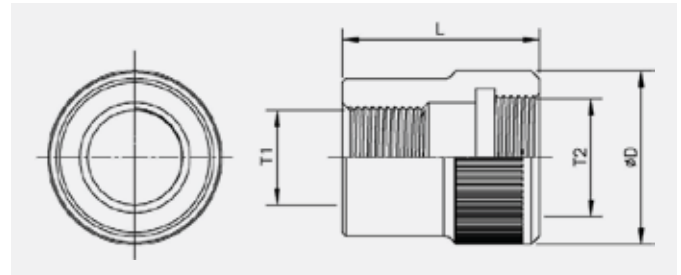
Accessories

Metric Adaptor



Application example: MS3106 fitted with metric adaptor and cable gland

Image	Shell Size	Metric	Part No.
	10SL	M12	10SL ADAPTOR
	10	M12	97B-10SLM12*1.5
	14S	M16	97B-14S-M16*1.5
	16S / 16	M16	97B-16S-M16*1.5
	18	M20	97B-18-M20*1.5
	20	M25	97B-20-M25*1.5
	24	M32	97B-24-M32*1.5



Shell Size	T1	T2 UNEF	D Max	L ±0.20
10SL	9/16-24 UNEF	5/8-24	-	-
10	M12 x 1.5	9/16-24	22	25
14S	M16 x 1.5	3/4-20	25	25
16S/16	M16 x 1.5	7/8-20	27	30
18	M20 x 1.5	1-20	30.5	40
20	M25 x 1.5	1 1/8-18	33	40
24	M32 x 1.5	1 3/8-18	39.5	50

** Please Note: Both the 10SL ADAPTOR & the 7B-10SLM12*1.5 are required

Telescopic Bushings / Sealing Gaskets

Shell Size	Gasket	Bushing
		
10SL	BMA-31-10	MS3420-4
12	BMA-31-12	MS3420-4
14S	BMA-31-14	MS3420-6
16S	BMA-31-16	MS3420-8
18	BMA-31-18	MS3420-10
20	BMA-31-20	MS3420-12
22	BMA-31-22	MS3420-12
24	BMA-31-24	MS3420-16
28	BMA-31-28	MS3420-16
32	BMA-31-32	MS3420-20
36	-	MS3420-24
40	BMA-31-40	-

Dust Caps

Shell Size	Receptacles	Plugs
		
10SL	MS25043-10D	MS25042-10D
12	MS25043-12D	MS25042-12D
14S	MS25043-14D	MS25042-14D
16S	MS25043-16D	MS25042-16D
18	MS25043-18D	MS25042-18D
20	MS25043-20D	MS25042-20D

Standard Connector Layouts (Front face of pin insert or rear face of socket insert illustrated)

Insert Arrangement	10SL-4	10SL-3	14S-2	14S-5	14S-6	14S-7	16S-1	18-1	20-27	20-29	24-28
											
Service Rating	A	A	Inst.	Inst.	Inst.	A	A	A* / Inst.**	A	A	Inst.
No. of Contacts	2	3	4	5	6	3	7	10	14	17	24
Contact Size	16	16	16	16	16	16	16	16	16	16	16

*B,C,F,G = A **Bal = Inst.

Technical Data

Characteristics

Insulation Resistance	5,000 Mega ohms minimum (@25°C)
Temp. Range	-55°C to +125°C
Durability	500 mating cycles

Dielectric Withstanding Voltage

Service Rating	Test Voltage AC (RMS)	Operating Voltage AC	
		AC	DC
Inst.	1,000	200	250
A	2,000	500	700
D	2,800	900	1,250
E	3,500	1,250	1,750
B	4,500	1,750	2,450
C	7,000	3,000	4,200

Electrical Data

Contact Size	Pin Contact Ø	Solder Pot Ø	Rated Current*	Contact Resistance	
				Test Current DC A	Potential Drop (Max) mV
16	1.6 mm	1.9 mm	13A	13A	49
12	2.4 mm	3.0 mm	23A	23A	42
8	3.6 mm	5.4 mm	46A	46A	26

*Mated with insulators fitted

Wire Range

Contact Size	AWG	mm²	Conductor O.D.
16	22 - 16	1.3	1.7 - 3.3
12	14 - 12	3.5	2.9 - 4.3
8	10 - 8	8	4.2 - 6.4

Part Number Breakdown

MS 3102 A 18-10 P

- 1
- 2
- 3
- 4
- 5
- 6

- 1

Connector Type

MS - Military Standard
- 2

Connector Style

3101

Cable Connecting Plug

3102

Box Mounting Receptacle

3106

Straight Plug

3108

90° Right Angle Plug
- 3

Service Class

Environmental Resistant

E / F

Includes grommet seal & strain relief back shell.
Includes a front 'O' ring steal

R

Lightweight and shorter overall length.
Includes grommet seal & strain relief back shell.
Includes a front 'O' ring steal
- 4

Shell Size
- 5

Insert Arrangement
- 6

Contact Type

P

Pin contact, (+) Male

S

Socket contact, (-) Female



MP Series

Amphenol has an extensive range of circular and rectangular multi-pin connectors ideally suited to the entertainment industry.

Featuring rugged housings and precision made contacts these connectors have proven themselves in the most demanding of applications. The extensive arrangement of different connector sizes and contact numbers ensure we can offer a solution to your multi-pin wiring applications.

Applications

- Audio Cables and Snakes
- Lighting control
- Concert Touring Systems
- Outside Broadcast Systems

Features / Options

MP-41 Series

- 13 to 85 pins with Crimp / Solder bucket contacts
- 150 pins with Crimp contacts only
- 4 to 48 channel
- Gold plated contacts
- Synthetic inserts
- Environmental resistant
- Positive Bayonet locking
- PG cable gland
- 2000 mating cycles
- Bayonet wear pins
- Extended coupling ring
- Metal Housings

MP-62 Series

- 39 or 61 Solder bucket contacts
- Gold plated contacts
- Neoprene inserts
- Environmental resistant
- Positive Bayonet locking
- PG cable gland or NPT thread
- Metal Housings

MP-41 Series

Straight Cable Plug
with Socket Contacts (supplied complete with contacts)

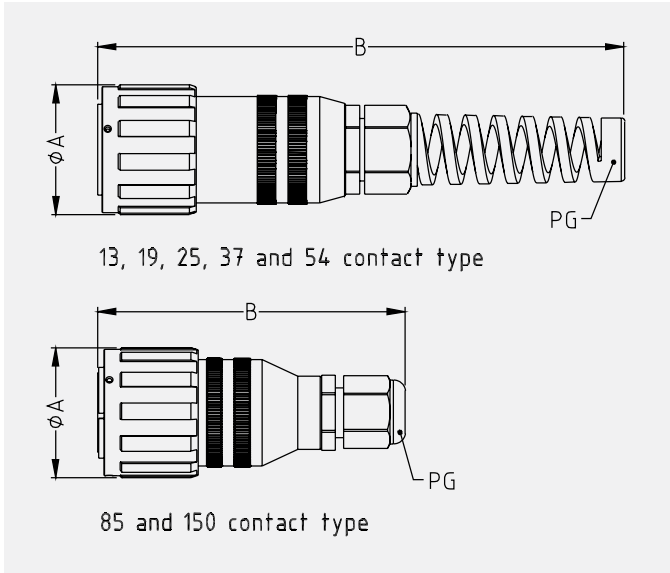
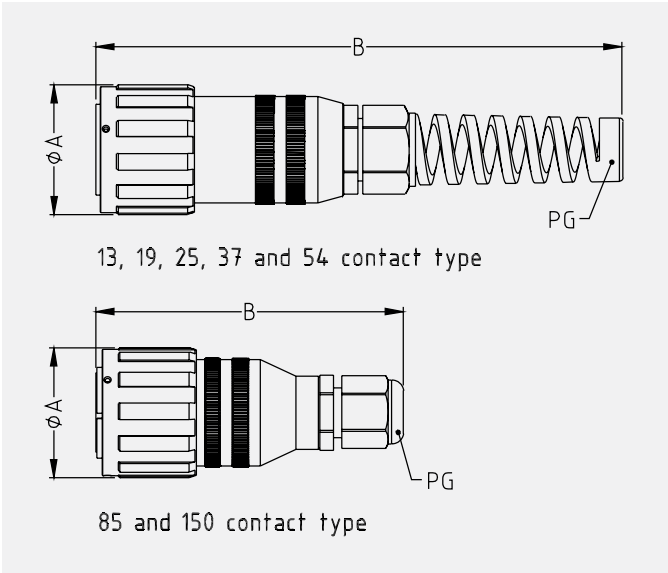


Pins	A	B	PG	Part No.	with Dustcap
13	40.5	160	11	MP-4106-13S	MP-4106-13S-C
19	44	171	13.5	MP-4106-19S	MP-4106-19S-C
25	46.6	193	16	MP-4106-25S	MP-4106-25S-C
37	54.3	210	21	MP-4106-37S	MP-4106-37S-C
54	60.1	210	21	MP-4106-54S	MP-4106-54S-C
85	73.3	137	29	MP-4106-85S	MP-4106-85S-C
150	73.3	145	36	MP-4106-150S	MP-4106-150S-C

Cable Connecting Receptacle
with Pin Contacts (supplied complete with contacts)



Pins	A	B	PG	Part No.	with Dustcap
13	37.8	160	11	MP-4101-13P	MP-4101-13P-C
19	41.1	171	13.5	MP-4101-19P	MP-4101-19P-C
25	41.5	193	16	MP-4101-25P	MP-4101-25P-C
37	51	210	21	MP-4101-37P	MP-4101-37P-C
54	57.1	210	21	MP-4101-54P	MP-4101-54P-C
85	70	137	29	MP-4101-85P	MP-4101-85P-C
150	70	145	36	MP-4101-150P	MP-4101-150P-C



Note: NPT threaded backshells available on request. Please contact us.

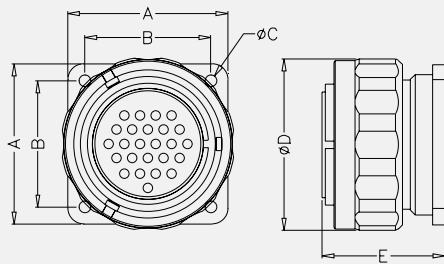
MP-41 Series

Panel Plug

with Socket Contacts (supplied complete with contacts)



Pins	A	B	C	D	E	Part No.	with Dustcap
13	38	29.4	3.2	40.5	38.8	MP-4164-13S	MP-4164-13S-C
19	41	31.8	3.2	44	38.8	MP-4164-19S	MP-4164-19S-C
25	44.5	34.9	3.73	48.51	40.6	MP-4164-25S	MP-4164-25S-C
37	50.8	39.7	3.73	54.3	42	MP-4164-37S	MP-4164-37S-C
54	57	44.5	4.39	60.8	45	MP-4164-54S	MP-4164-54S-C
85	69.8	55.5	4.39	73.3	45	MP-4164-85S	MP-4164-85S-C
150	69.8	55.5	4.39	73.3	45	MP-4164-150S	MP-4164-150S-C

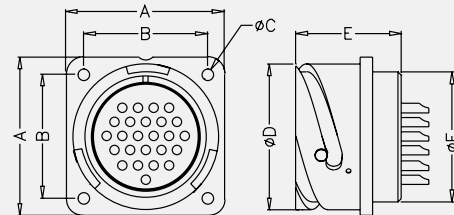


Panel Receptacle

with Pin Contacts (supplied complete with contacts)



Pins	A	B	C	D	E	F	Part No.	with Dustcap
13	38	29.4	3.23	34.2	34.5	29	MP-4102-13P	MP-4102-13P-C
19	41	31.8	3.23	37.4	34.5	32.2	MP-4102-19P	MP-4102-19P-C
25	44.5	34.9	3.73	40.9	35.7	35.3	MP-4102-25P	MP-4102-25P-C
37	50.8	39.7	3.73	46.7	36.5	41.4	MP-4102-37P	MP-4102-37P-C
54	57	44.5	4.3	53.4	38.5	47.8	MP-4102-54P	MP-4102-54P-C
85	69.8	55.5	4.3	65.5	38.5	59	MP-4102-85P	MP-4102-85P-C
150	69.8	55.5	4.3	65.5	38.5	59	MP-4102-150P	MP-4102-150P-C



Accessories

Dust Caps

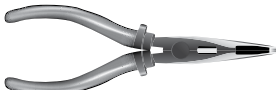
Pins	Receptacle		Plug	
	MP-4106	MP-4101	MP-4164	MP-4102
13	MP-25042-13L	MP-25043-13L	MP-25042-13S	MP-25043-13S
19	MP-25042-19L	MP-25043-19L	MP-25042-19S	MP-25043-19S
25	MP-25042-25L	MP-25043-25L	MP-25042-25S	MP-25043-25S
37	MP-25042-37L	MP-25043-37L	MP-25042-37S	MP-25043-37S
54	MP-25042-54L	MP-25043-54L	MP-25042-54S	MP-25043-54S
85	MP-25042-85L	MP-25043-85L	MP-25042-85S	MP-25043-85S
150	MP-25042-150L	MP-25043-150L	MP-25042-150S	MP-25043-150S

Accessories

Contacts	Type	Pins	Part No.
	Contact Pilot Pin	13-85	MP-GUIDE-16
		150	MP-GUIDE-18
	Solder/Crimp Pin	13-85 Size 16	MP-108400
	Crimp Pin*	156 Size 18	MP-108300
	Solder/Crimp Socket	13-85 Size 16	MP-108600
	Crimp Socket*	156 Size 18	MP-108500

*Soldering of this contact is not recommended

Complete instructions for providing reliable crimped wire to contact terminations and inserting proprietary contacts in MP-41 Series connectors are available in publication Pi523 located on our website www.amphenolaudio.com.

Tools	Type	Pins	Part No.
	Crimp Tool	All	M22520/1-01
	Positioner or Turret	All	TH29-1
	Insertion Tool	13-85	MP-INS-16
		150	MP-INS-18
	Extraction Tool	All	MP-EXT-16/18

Part Number Breakdown

MP - 4106 - 85 S



1 Series Prefix

MP - Multipin Series

2 Housing Type

4101	Cable Connecting Receptacle
4102	Panel Receptacle
4106	Straight Cable Plug
4164	Panel Plug

3 No. of Contacts

4 Contact Type

P	Pin contact, (+) Male
S	Socket contact, (-) Female

Standard Data

General Characteristics

Contacts	13	19	25	37	54	85	150
Channels	4	6	8	12	16	28	48
Termination	Solder / Crimp "Combo" ¹						Crimp
Wire Gauge Stranded Wire	16AWG - 20AWG						18AWG
Environmental	Complies with EU RoHS 2 Directive 2011/65/EU						

Electrical Characteristics

Operating Voltage DC ²	250V*	
Operating Voltage AC ²	200V*	
Test Voltage AC RMS	1000V	
Current Carrying Capacity	13A	7.5A
Typical Contact Resistance	3.46m Ω	11.25m Ω
Insulation Resistance	5000M Ω	

Climatic Characteristics

Protection Class	IP67 (when mated)
Operating Temperature	-55°C to +125°C

Mechanical Characteristics

Cable Retention	PG Gland
Mechanical Operations	2000 mating cycles

Materials

Connector / Shell Finish	Black Aluminium Alloy
Insert	Synthetic Insert to MIL-R-3065
Contact Plating	Brass / Gold Plated

Clamping Characteristics

PG Gland	11	13.5	16	21	29	36
Cable Clamping Range mm	4-10	5-12	9-14	13-18	14-25	19-32

¹Not suitable for domestic applications above 50V ²At sea level



Amphe-Sound Audio Cables

The Amphenol Amphe-Sound Audio Cables are Heavy Duty screened cables which are ultra flexible and have a solid pin male XLR as standard. They also come in the T-Series / M-Series 6.35mm plugs. Includes a reusable cable tie.

Professional Series

Microphone Cable Type A



Length (m)	Balanced XLR F AC3FJ XLR M AC3MMJ	Balanced XLR F AX3F XLR M AX3M	Balanced XLR F AC3FJ TRS 6.35mm TS3PJ	Balanced TRS 6.35mm TS3PJ XLR M AC3MMJ	Unbalanced XLR F AC3FJ Mono 6.35 TM2PJ
1	PR0110A001*	PR0312A001	PR0124A001*	PR1024A001*	PR0120A001
3	PR0110A003*	PR0312A003	PR0124A003*		PR0120A003
6	PR0110A006*	PR0312A006*	PR0124A006*	PR1024A006*	PR0120A006*
9	PR0110A009*	PR0312A009	PR0124A009*		PR0120A009
12	PR0110A012*	PR0312A012	PR0124A012		PR0120A012
15	PR0110A015*	PR0312A015	PR0124A015		PR0120A015
20	PR0110A020*	PR0312A020	PR0124A020		PR0120A020
30	PR0110A030*	PR0312A030	PR0124A030		PR0120A030

*Standard product stocked in Australia

Professional Series

Instrument Cable Type B



Length (m)	Mono 6.35mm	Switchplug 6.35mm TM2PBJ Mono 6.35mm TM1PBJ	Switchplug 6.35mm TM2PBJ Mono 6.35mm TM1RBJ
1	PR3232B001	PR2151B001	PR2153B001
3	PR3232B003	PR2151B003*	PR2153B003*
6	PR3232B006*	PR2151B006	PR2153B006
9	PR3232B009	PR2151B009	PR2153B009
12	PR3232B012	PR2151B012	PR2153B012
15	PR3232B015	PR2151B015	PR2153B015
20	PR3232B020	PR2151B020	PR2153B020
30	PR3232B030	PR2151B030	PR2153B030

DMX Cable Type D



Speaker Cable Type T



Length (m)	XLR 5F AC5FJ XLR 5M AC5MJ	XLR 3F AC3FJ XLR 3M AC3MMJ	XLR 5F AX5F XLR 5M AX5M	Length (m)	SP-4-F
1	PR7075D001*	PR0110D001*	PR7277D001	3	PR9191T003
3	PR7075D003*	PR0110D003*	PR7277D003	6	PR9191T006
5	PR7075D005*	PR0110D005*	PR7277D005	10	PR9191T010*
10	PR7075D010*	PR0110D010*	PR7277D010		
15	PR7075D015*		PR7277D015		
20	PR7075D020*		PR7277D020		
30	PR7075D030		PR7277D030		

*Standard product stocked in Australia

Gold Series

Instrument Cable Type B



Length (m)	Mono 6.35mm ACPM-GN-AU
1	GD3030B001*
3	GD3030B003*
6	GD3030B006*
9	GD3030B009*
12	GD3030B012
15	GD3030B015

Mono 6.35mm ACPM-GN-AU	Mono 6.35mm ACPM-RN-AU
GD3034B001	GD3034B001
GD3034B003*	GD3034B003*
GD3034B006*	GD3034B006*
GD3034B009*	GD3034B009*
GD3034B012	GD3034B012
GD3034B015	GD3034B015

Switchplug 6.35mm TM1PBJ-AU	Mono 6.35mm TM2PBJ-AU
GD2151B001	GD2151B001
GD2151B003*	GD2151B003*
GD2151B006	GD2151B006
GD2151B009	GD2151B009
GD2151B012	GD2151B012

Patch Cable Type A



DMX Cable Type D



Length (m)	Stereo 6.35mm ACPS-GN-AU
0.3	
0.5	GD3838A0.5*
1	GD3838A001*
2	GD3838A002*
6	GD3838A006*

Mono 6.35mm ACPM-RN-AU
GD3434A0.3*

Length (m)	XLR 5F AX5FB-AU	XLR 5F AX5MB-AU
1	GD7378D001	
3	GD7378D003	
5	GD7378D005	
10	GD7378D010	
15	GD7378D015*	
20	GD7378D020	

Cables 100 Meters



Microphone			Instrument			DMX			Speaker		
Shield	AWG	Part No.	Shield	AWG	Part No.	Shield	AWG	Part No.	Shield	AWG	Part No.
Foil & Braided	22	CA-A-BLK-100*	Spiral	20	CA-B-BLK-100	Braided	20	CA-D-BLK-100	Braided	12	SBC-12
Braided	22	CA-C-BLK-100		20	IBC-20	-	26	DMX-26		12	SBC-12-4C
Braided (Quad)	24	CA-Q-BLK-100		24	MBC-24						
Spiral	20	MBC-20									

*Standard product stocked in Australia

Standard Data

	Microphone			Instrument				DMX / Speaker			
Cable Code	A	C	Q	MBC-20	B	IBC-20	IBC-24	D	DMX-26	SBC-12	SB-12-4C
Conductors	2	2	4	2	1			4	5	2	4
Colour	Blue & White			Blue & Red	Natural			Blue / Red Orange / White		White / Black	Red / Black White / Blue
AWG	22		24	20	20		24		26	12	
Stranding (mm)	80/0.08		60/0.08	40/0.12	20/0.18	40/0.12	18/0.12	7/0.2	-		
Insulation Material	PVC			PE	PVC		PE	FM-PE	TPOFC	CCAM	
Strengthening Filter	Cotton				-						
Shield	Foil & Spiral	Foil & Braided		Spiral				Foil & Braided	Braided	-	
Jacket Material	PVC Black										
Outer Diameter* (mm)	6.8±0.15			6.5±0.15	6.0±0.15	6.5±0.15	6.3±0.15	6.9±0.3	6	10.2	11
Operating Temp.	-30 to +70°C										
Packaging	100 mtr plastic spool										

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