

Amphenol Australia



SHORTFORM 2020



Amphenol Australia Pty. Ltd.

Amphenol Australia's head office 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.

Amphenol's global presence allows us to take full advantage of our numerous corporate resources and product portfolio to provide you with a vast offering and choice. Our extensive range is designed to meet the specific needs of the entertainment markets to make the selection of your interconnect partner an easy choice.

The company has been producing products for the pro-audio industry for over fifty years. Since the development of our XLR AC Series connectors, we have continued to provide our customers with exacting quality in an increasingly competitive environment.

Continuous improvement through ISO9001, a focus on environmental awareness and development of next generation industry leading products is our philosophy. As the entertainment industry moves into the future the emerging technologies from other industries has become more prevalent and more challenging. Amphenol Australia's global presence combined with its close technical relationships with other Amphenol sister divisions, each a specialist and leader in their own interconnect field, places it well to support innovation and meet this challenge head on.

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.

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SurLok Plus Series™ PRODUCT SHORTFORM

Amphenol Australia Pty Ltd



SurLok Plus Series

The Surlok PlusM 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 PlusM 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.

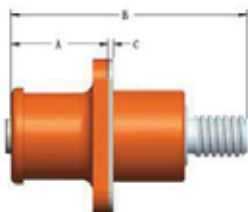
The R4 version of the RADSOK® represents the culmination of three years of research and development in laser welding copper-based alloys.

- * R4 RADSOK®Technology
- * P67 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

SurLok Plus Series PRODUCT SHORTFORM

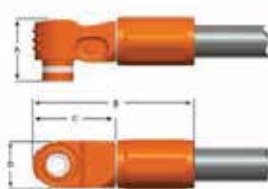
PRODUCT FIGURE	PART NUMBER & DESCRIPTION	PRODUCT FIGURE	PART NUMBER & DESCRIPTION
	SLPRATPSR 5.7mm SurLok Plus panel mount (120A) RECP with screw thread, P67, RED		SLPPA16BSR 5.7mm R/A PLUG for 16mm ² (100A) cable with Backshell, P67, RED
	SLPRATPSB 5.7mm SurLok Plus panel mount (120A) RECP with threaded post, P67, BLACK		SLPPA16BSB 5.7mm R/A PLUG for 16mm ² (100A) cable with Backshell, P67, BLACK

Screw Termination

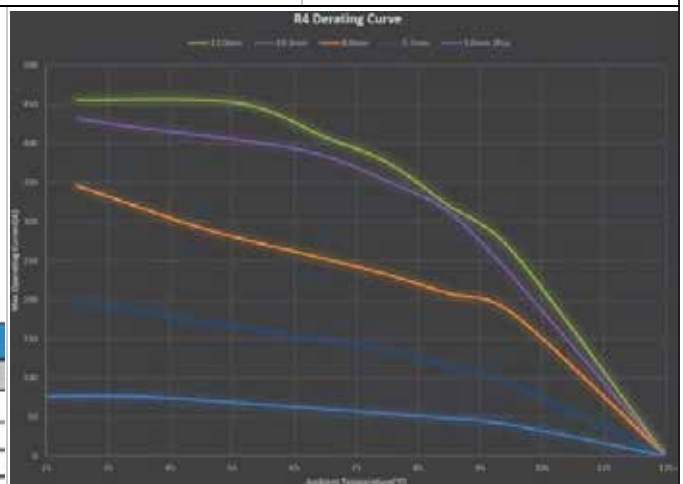


Size	Screw Termination		
	A	B	C
5.7mm	16.5	36.7	1.0
8.0mm	19.0	46.1	1.0
10.3mm	25.8	55.5	0.3

Right Angle Plug



Size	Plug Dimension			
	A	B	C	D
5.7mm	22.6	55.1	30.0	18.0
8.0mm	29.0	74.5	38.4	21.6
10.3mm	41.2	84.5	42.5	28.0



Technical Data

Contact Size	5.7mm(120A) 8.0mm(200A) 10.3mm(350A)	IP Rating	IP67
Current Rating	100A~350A (up to 400A)	Protection	Touch Proof
Operating Voltage	1000VAC/DC	Flammability	UL 94 V-0
Operating Temp	-40°C to 125°C	Locking	Spring Locking

** For non-stocked part numbers please contact us **

ATM Series™ PRODUCT SHORTFORM

Amphenol Australia Pty Ltd



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.

FEATURES & BENEFITS

Current Capacity	Size 20, 7.5A (max)
Wire Range	Size 20 contacts will accept wire ranges of 16 thru 22AWG
Temperature	Operating temperature range: -55°C to +125°C at rated current
Dielectric Value	Meets or exceeds 1500volts minimum
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 A
Water Immersion	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

PRODUCT MATERIAL

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

ATM SERIES PRODUCT SHORTFORM					
PRODUCT FIGURE	DESCRIPTION	PART NUMBER	PRODUCT FIGURE	DESCRIPTION	PART NUMBER
	2-Way PLUG, SKT contacts	ATM06-2S		2-Way Wedgelock (for) PLUG	AWM-2S
	2-Way RECP, P N contacts	ATM04-2P		2-Way Wedgelock (for) RECP	AWM-2P
	3-Way PLUG, SKT contacts	ATM06-3S		3-Way Wedgelock (for) PLUG	AWM-3S
	3-Way RECP, P N contacts	ATM04-3P		3-Way Wedgelock (for) RECP	AWM-3P
	4-Way PLUG, SKT contacts	ATM06-4S		4-Way Wedgelock (for) PLUG	AWM-4S
	4-Way RECP, P N contacts	ATM04-4P		4-Way (for) Wedgelock RECP	AWM-4P

	6-Way PLUG, SKT contacts	ATM06-6S		6-Way Wedgelock (for) PLUG	AWM-6S
	6-Way RECP, P N contacts	ATM04-6P		6-Way Wedgelock (for) RECP	AWM-6P
	8-Way PLUG, SKT contacts	ATM06-08SA		8-Way Wedgelock (for) PLUG	AWM-8S
	8-Way RECP, P N contacts	ATM04-08PA		8-Way Wedgelock (for) RECP	AWM-8P
	12-Way PLUG, SKT contacts	ATM06-12SA		12-Way Wedgelock (for) PLUG	AWM-12S
	12-Way RECP, P N contacts	ATM04-12PA		12-Way Wedgelock (for) RECP	AWM-12P
	2-Way PLUG with Strain Relief, Standard Seal, SKT contacts, Black	ATM06-2S-SR01B		2-Way Wedgelock (for) PLUG	AWM-2S

	2-Way RECP with Strain Relief, Standard Seal, SKT contacts, Black	ATM04-2P-SR01B		2-Way Wedgelock (for) RECP	AWM-2P
	3-Way PLUG with Strain Relief, Standard Seal, SKT contacts, Black	ATM06-3S-SR01B		3-Way Wedgelock (for) PLUG	AWM-3S
	3-Way RECP with Strain Relief, Standard Seal, SKT contacts, Black	ATM04-3P-SR01B		3-Way Wedgelock (for) RECP	AWM-3P
	4-Way PLUG with Strain Relief, Standard Seal, SKT contacts, Black	ATM06-4S-SR01B		4-Way Wedgelock (for) PLUG	AWM-4S
	4-Way RECP with Strain Relief, Standard Seal, SKT contacts, Black	ATM04-4P-SR01B		4-Way Wedgelock (for) RECP	AWM-4P
	6-Way PLUG with Strain Relief, Standard Seal, SKT contacts, Black	ATM06-6S-SR01B		6-Way Wedgelock (for) PLUG	AWM-6S
	6-Way RECP, with Strain Relief, Standard Seal, SKT contacts, Black	ATM04-6P-SR01B		6-Way Wedgelock (for) RECP	AWM-6P

	Seal Plugs, White	AT13-204-2005		Seal Plugs, Black (for SR01 Series)	AT13-204-2005-SR
	Solid Male Contact - PN, Nickel-plated, Size 20, 20-22AWG	AT60-202-20141		Solid Female Contact-SKT, Nickel-plated, Size 20, 20-22AWG	AT62-201-20141
	Solid Male Contact-SKT, Gold-plated, Size 20, 20-22AWG	AT60-202-2031		Solid Female Contact-SKT, Gold-plated, Size 20, 20-22AWG	AT62-201-2031
	ATRTR-100 Used for removal of contacts & wedges for the AT Series™ products		M22520/1-01 (Tool Frame)		M22520/1-02 (Turret)

AT Series™ PRODUCT SHORTFORM

Amphenol Australia Pty Ltd



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.

FEATURES & BENEFITS


Current Capacity	Size 16, 13A (max)
Wire Range	Size 16 contacts will accept wire ranges of 14 thru 20AWG
Temperature	Operating temperature range: -55°C to +125°C at rated current
Dielectric Value	Meets or exceeds 1500volts minimum
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

PRODUCT MATERIAL

Housings	Thermoplastic
Seals	Silicone Elastomer
Secondary Locks	Thermoplastic

AT SERIES PRODUCT SHORTFORM					
PRODUCT FIGURE	DESCRIPTION	PART NUMBER	PRODUCT FIGURE	DESCRIPTION	PART NUMBER
	2-Way PLUG, SKT contacts	AT06-2S		2-Way Wedgelock PLUG	AW2S
	2-Way RECP, P N contacts	AT04-2P		2-Way Wedgelock RECP	AW2P
	3-Way PLUG, SKT contacts	AT06-3S		3-Way Wedgelock PLUG	AW3S
	3-Way RECP, P N contacts	AT04-3P		3-Way Wedgelock RECP	AW3P
	4-Way PLUG, SKT contacts	AT06-4S		4-Way Wedgelock PLUG	AW4S
	4-Way RECP, P N contacts	AT04-4P		4-Way Wedgelock RECP	AW4P

	4-Way RECP, P N contacts, GREEN	AT04-4P-GRN		4-Way Wedgelock RECP	AW4P
	4-Way RECP, P N contacts, YELLOW	AT04-4P-YEL		4-Way Wedgelock RECP	AW4P
	6-Way PLUG, SKT contacts	AT06-6S		6-Way Wedgelock PLUG	AW6S
	6-Way RECP, P N contacts	AT04-6P		6-Way Wedgelock RECP	AW6P
	8-Way PLUG, SKT contacts	AT06-08SA		8-Way Wedgelock PLUG	AW8S
	8-Way RECP, P N contacts	AT04-08PA		8-Way Wedgelock RECP	AW8P
	12-Way PLUG, SKT contacts	AT06-12SA		12-Way Wedgelock PLUG	AW12S

	12-Way PLUG, P N contacts, Pos. A, Reduced Seal .053-.120"	AT06-12SA-SR2GY		12-Way Wedglock PLUG	AW12S
	12-Way RECP, P N contacts	AT04-12PA		12-Way Wedglock RECP	AW12P
	12-Way RECP, P N contacts, Pos. A, Reduced Seal .053-.120"	AT04-12PA-SR2GY		12-Way Wedglock RECP	AW12P
	2-Way PLUG, SKT contacts	AT06-2S-SB01		2-Way Wedglock PLUG	AW2S
	2-Way RECP, P N contacts	AT04-2P-SB01		2-Way Wedglock RECP	AW2P
	2-Way PLUG, Standard Seal, SKT contacts standard seal .088-.145"	AT06-2S-SR01BL		2-Way Wedglock PLUG	AW2S
	2-Way RECP, Standard Seal, P N contacts standard seal .088-.145"	AT04-2P-SR01BL		2-Way Wedglock RECP	AW2P

	4-Way PLUG, Standard Seal, SKT contacts standard seal .088-.145"	AT06-4S-SR01BL		4-Way Wedglock PLUG	AW4S
	4-Way RECP, Standard Seal, P N contacts standard seal .088-.145"	AT04-4P-SR01BL		4-Way Wedglock RECP	AW4P
	4-Way PLUG, Reduced Seal, SKT contacts, reduced seal .053-.120"	AT06-4S-SR02BL		4-Way Wedglock PLUG	AW4S
	4-Way RECP, Reduced Seal, P N contacts, reduced seal .053-.120"	AT04-4P-SR02BL		4-Way Wedglock RECP	AW4P
	6-Way PLUG, Standard Seal, SKT contacts standard seal .088-.145"	AT06-6S-SR01BL		6-Way Wedglock PLUG	AW6S
	6-Way PLUG, Reduced Seal, SKT contacts, reduced seal .053-.120"	AT06-6S-SR02BL		6-Way Wedglock PLUG	AW6S
	6-Way RECP, Standard Seal, P N contacts standard seal .088-.145"	AT04-6P-SR01BL		6-Way Wedglock RECP	AW6P

	6-Way RECP, Reduced Seal, P N contacts standard seal .053-.120"	AT04-6P-SR02BL		6-Way Wedglock RECP	AW6P
		AT04-2P-PM12	2-Way RECP, P N contacts, Panel Mount, Self-Threading, RD01 seal		
		AT04-2P-PM14	2-Way RECP, P N contacts, Panel Mount, Self-Threading, RD01 seal, Cap		
		AT04-3P-PM14	3-Way RECP, P N contacts, Panel Mount, Self-Threading, RD01 seal, Cap		
		AT04-4P-PM12	4-Way RECP, P N contacts, Panel Mount, Self-Threading, RD01 seal		
		AT04-4P-PM13	4-Way RECP, P N contacts, Panel Mount, Self-Threading, Self-Threading Cap		
		AT04-4P-PM14	4-Way RECP, P N contacts, Panel Mount, Self-Threading, RD01 Seal, Cap		

		AT04-6P-PM14	6-Way RECP, P N contacts, Panel Mount, Self-Threading, RD01 Seal, Cap		
	Seal Plugs, White	A114017		Seal Plugs, Black, for use with AT-SR Series connectors	A114017-SR
	Solid Male Contact - PN, Nickel-plated, Size 16, 16-20AWG	AT60-202-16141		Solid Female Contact - SKT, Nickel-plated, Size 16, 16-20AWG	AT62-201-16141
	Solid Male Contact - PN, Nickel-plated, Size 16, 14AWG	AT60-215-16141		Solid Female Contact - SKT, Nickel-plated, Size 16, 14AWG	AT62-20 -16141
	Solid Male Contact - PN, Gold-plated, Size 16, 16-20AWG	AT60-202-1631		Solid Female Contact - SKT, Gold-plated, Size 16, 16-20AWG	AT62-201-1631
	Solid Male Contact - PN, Gold-plated, Size 16, 14AWG	AT60-215-1631		Solid Female Contact - SKT, Gold-plated, Size 16, 14AWG	AT62-20 -1631
	Stamped & Formed Male Contact - PN, Nickel-plated, Size 16, 16-18AWG, 4000pcs/Reel	AT60-16-0122		Stamped & Formed Male Contact - SKT, Nickel-plated, Size 16, 16-18AWG, 4000pcs/Reel	AT62-16-0122

	Stamped & Formed Male Contact - PN, Nickel-plated, Size 16, 14-16AWG, 4000pcs/Reel	AT60-14-0122		Stamped & Formed Male Contact - SKT, Nickel-plated, Size 16, 14-16AWG, 4000pcs/Reel	AT62-14-0122
	Stamped & Formed Male Contact - PN, Gold-plated, Size 16, 16-18AWG, 4000pcs/Reel	AT60-16-0144		Stamped & Formed Male Contact - SKT, Gold-plated, Size 16, 16-18AWG, 4000pcs/Reel	AT62-16-0144
	Stamped & Formed Male Contact - PN, Gold-plated, Size 16, 14-16AWG, 4000pcs/Reel	AT60-14-0144		Stamped & Formed Male Contact - SKT, Gold-plated, Size 16, 14-16AWG, 4000pcs/Reel	AT62-14-0144
	ATRT-100 Used for removal of contacts & wedges for the AT Series™ products		M22520/1-01 (Tool Frame)		M22520/1-02 (Turret)
	<p>AT Series large field repair kit includes:</p> <ul style="list-style-type: none"> 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-R 100

ATP Series™ PRODUCT SHORTFORM

Amphenol Australia Pty Ltd



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.

FEATURES & BENEFITS

Current Capacity	Size 12, 25A (max)
Wire Range	Size 12 contacts will accept wire ranges of 12 thru 14AWG
Temperature	Operating temperature 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 M L - STD 1344, method 1001.
Submersion	P67. 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 (Contacts 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.

PRODUCT MATERIAL

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

ATP SERIES PRODUCT SHORTFORM					
PRODUCT FIGURE	DESCRIPTION	PART NUMBER	PRODUCT FIGURE	DESCRIPTION	PART NUMBER
	2-Way PLUG, SKT contacts	ATP06-2S		2-Way Wedgelock (for) PLUG	AWP-2S
	2-Way RECP, P N contacts	ATP04-2P		2-Way Wedgelock (for) RECP	AWP-2P
	4-Way PLUG, SKT contacts	ATP06-4S		4-Way Wedgelock (for) PLUG	AWP-4S
	4-Way RECP, P N contacts	ATP04-4P		4-Way Wedgelock (for) RECP	AWP-4P
	A114017 Seal Plugs, White		ATRT-100 Used for removal of contacts & wedges for the AT Series™ products		AT60-204-12141 Solid Male Contact - PN, Nickel-plated, Size 12, 12-14AWG
	AT60-220-1231 Solid Male Contact - PN, Gold-plated, Size 12, 12-14AWG		AT62-203-12141 Solid Female Contact - SKT, Nickel-plated, Size 12, 12-14AWG		AT62-210-1231 Solid Female Contact - SKT, Gold-plated, Size 12, 12-14AWG

Amphenol CONEC RJ45-IP67 PRODUCT SHORTFORM

Amphenol CONEC RJ45-IP67

	<p>17-101604</p> <p>Coupling: M28 to M28 Panel mount/Inline Cat. 5e RECP Material: Metal Surface: Nickel Plated Design: Inline coupling shielded Protection Cap: With knurled cap Mounting: Front or Rear Max panel thickness: 3.2mm</p>		<p>17-100944</p> <p>Coupling: M28 Cat. 5e PLUG Kit Coupling Ring Version: Knurled Coupling Ring Material: Metal Housing Material: Plastic Cable Gland: Metal Cable Gland: Nickel plated Cable Size: AWG24 Cat. 5e type: Solid or Stranded</p>
	<p>17-10000</p> <p>Coupling: BAYONET to M28 Panel mount/Inline Cat. 5e RECP Material: Plastic Surface: Black Design: Inline coupling shielded Protection Cap: With protection cap Mounting: Front or Rear Max panel thickness: 3.2mm</p>		<p>17-110024</p> <p>Coupling: BAYONET to BAYONET Panel mount/Inline Cat. 5e RECP Material: Plastic Surface: Black Design: Inline coupling shielded Protection Cap: c/w cap Mounting: Front or Rear Max panel thickness: 3.2mm</p>
	<p>17-10001</p> <p>Coupling: BAYONET Cat. 5e PLUG Kit Coupling Ring Material: Plastic Housing Material: Plastic Cable Gland: Plastic Cable Gland Surface: Black Cable Size: AWG24 Cat. 5e type: Solid or Stranded, Shielded or Unshielded</p>		
	<p>17-101814</p> <p>Coupling: BAYONET to M28 Panel mount/Inline Cat. 5e RECP Material: Zinc die-cast Surface: Nickel Plated Design: Inline coupling shielded Protection Cap: c/w cap Mounting: Front or Rear Max panel thickness: 3.2mm</p>		<p>17-10044</p> <p>Coupling: BAYONET Cat. 5e PLUG Kit Coupling Ring: Zinc die-cast Housing Material: Plastic Cable Gland: Metal Cable Gland Surface: Nickel plated Cable Size: AWG24 Cat. 5e type: Solid or Stranded, Shielded or Unshielded</p>

Amphenol CONEC PRODUCT RANGE (call for availability)			
Amphenol CONEC			
<p>Cable Assembly Male connector RJ45 Male connector M12x1</p> 		<p>M12 Overmolded connector Standard and custom lengths</p> 	
	<p>M12 Jamnut with 500mm cable tail</p>		<p>M12 PCB Connectors</p>
	<p>IP67 USB Receptacles cover assembly kit</p>		<p>IP67 USB Plug assembly kit solder cup version</p>
	<p>D-Sub Connectors Solder Crimp PCB Accessories</p>	<p>IP67 Fibre Optic connectors</p> 	

RJ45 Field PRODUCT SHORTFORM

Amphenol Australia Pty Ltd

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.


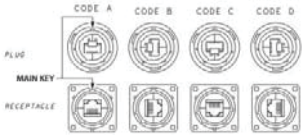
No hazardous on-field cabling and grounding!

MAIN CHARACTERISTICS:

- 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]
- For smaller diameters, please consult us.



RJ45 Field PRODUCT SHORTFORM				
RJ45 Field				
PRODUCT – FIGURE	DRAWING	DESCRIPTION	PART NUMBER	
		PLUG, RJField with PG16 <i>plastic</i> gland, bayonet coupling, Black coating – ROHS compliant	RJF 6 B	
		PLUG, RJField with PG16 <i>metal</i> gland, bayonet coupling, Black coating – ROHS compliant	RJF 6M B	
		RECEPTACLE, RJField square flange, female RJ45 back termination, Black coating – ROHS compliant	RJF 2 1 B	
		GAS ET, RJField panel to suit RJF21B and RJF SCC	JE18	
	 Receptacle cap Square Flange type « 2 »	CAP, RJField metallic to suit RJF21B receptacle, Black coating – ROHS compliant	RJFC 2 B	
	 Plug cap Plug Cap end type « 6 »	CAP, RJField metallic to suit RJF6B / RJF6MB plug, Black coating – ROHS compliant	RJFC 6 B	
		CAP, RJField plastic self closing to suit RJF21B receptacle	RJF SCC	

	<p>4 codings possibilities (defined by the customer during the assembling).</p> 	<p>TOOL, RJField insert removal tool</p>	<p>RJF ODE</p>
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Part number code

	RJF	2	2	B	03 100BTX
<p>Shell type 6: plug, plastic gland 6M: plug, metal gland 2: square flange receptacle 2PE: square flange receptacle, IP68 backshell, plastic gland 2PEM: square flange receptacle, IP68 backshell, metal gland 7: jam nut receptacle 7PE: jam nut receptacle, IP68 backshell, plastic gland 7PEM: jam nut receptacle, IP68 backshell, metal gland <i>Nota: also available a transversally sealed receptacle (unmated) ► see page 22</i></p> <p>Back terminations (for receptacles only) 1: female RJ45 1RA: right angle female RJ45 2: RJ45 cordset</p> <p>Shell finishes B: black Coating - ROHS compliant N: nickel (note: with this version, the inserts are metallized) - ROHS compliant G: olive drab cadmium (note: with this version, the inserts are metallized) BZC: aluminium shell - black zinc cobalt plating ZC: aluminium shell - green zinc cobalt plating - ROHS compliant</p> <p>Cordset length (for receptacles with "2" back termination only) - Other lengths are available on demand 03 100 BTX: 0.3m [11.81 inches] 00: 8 tinned holes at the rear of the PCB to solder the cable 05 100 BTX: 0.5m [19.68 inches] OPEN: open cable - with no plug at the end 10 100 BTX: 1m [39.37 inches] 15 100 BTX: 1.5m [59.05 inches]</p> <p>Remark: Cabling configuration → 100 BTX = 568B (Ethernet specification)</p>					

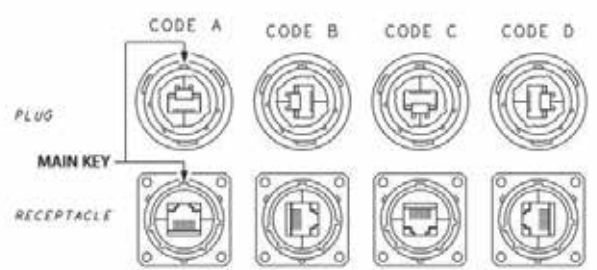
- Examples:**
- Nickel plug: RJF 6 N
 - Black square flange receptacle, female RJ45 back termination: RJF 2 1 B
 - Olive drab cadmium jam nut receptacle, 1.5m [59.05"] 100 BTX cordset termination: RJF 7 2 G 15 100BTX
 - Black in line square flange receptacle, 30cm [11.81"] 100BTX cordset termination: RJF 2PE 2 B 03 100BTX
 - Nickel jam nut receptacle, solder termination: RJF 72 N 00

Accessories

■ Metallic cap

	RJFC	2	G
<p>Connector type 6: plug 2: square Flange Receptacle 7: jam Nut Receptacle</p> <p>Shell material & finish B: black coating - ROHS compliant N: aluminium shell - nickel plating - ROHS compliant G: aluminium shell - olive drab cadmium plating</p>			

4 codings possibilities
(defined by the customer during the assembling).



ecoImate® & C16-3 PRODUCT SHORTFORM

Amphenol Australia Pty Ltd

Quick Facts:

- 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


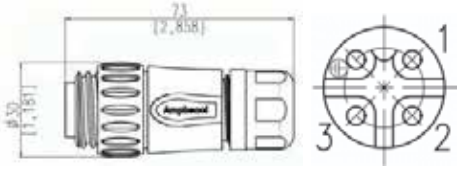

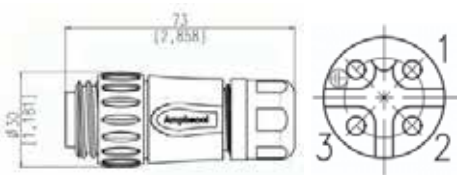

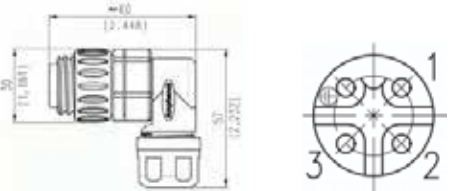

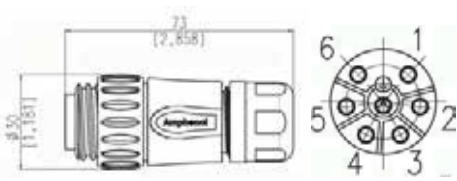

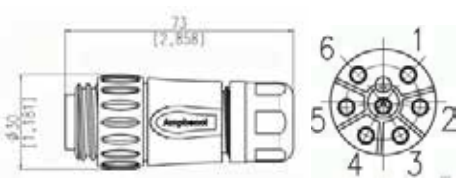

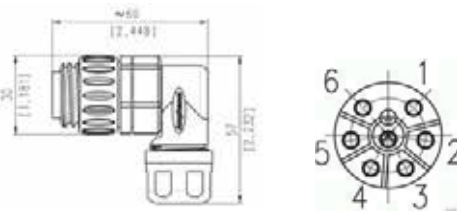
- Housing components made from premium Polyamide 6.6 molding material

- Mechanical durability of 500 Mating cycles




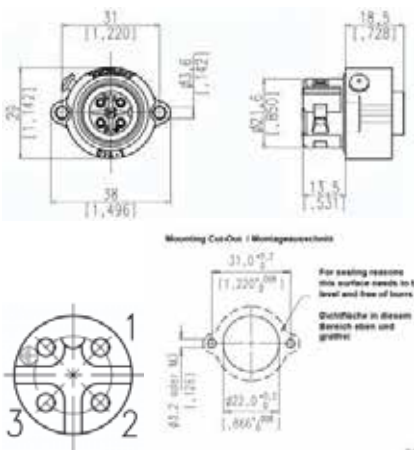

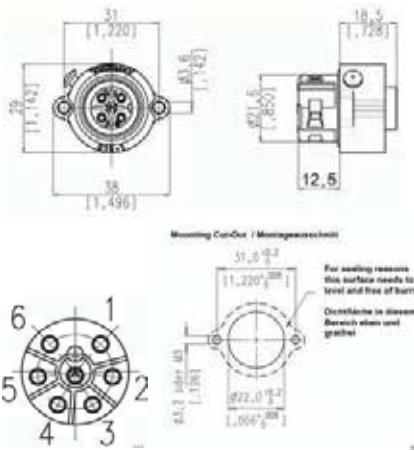

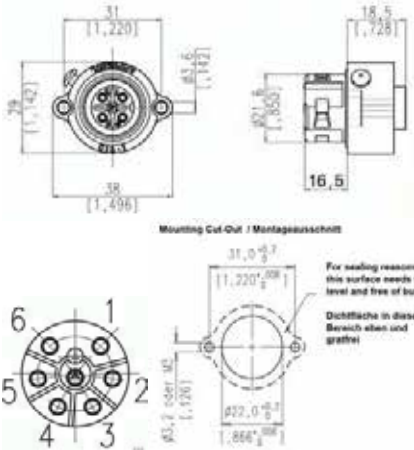
ecoImate® & C16-3 - PRODUCT SHORTFORM

ecomate 3+PE & 6+PE

PRODUCT-FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		MALE straight cable connector, with internal strain relief, screw termination, blue back shell, 3+PE	C016 20H003 110 10
		MALE straight cable connector, with internal strain relief, screw termination, black back shell, 3+PE	C016 20H003 110 12
		MALE right angle cable connector, strain relief with clamping ring, screw termination, black back shell, 3+PE	C016 20 003 100 12
		MALE straight cable connector, with internal strain relief, solder termination, black back shell, 6+PE	C016 30H006 110 12
		MALE straight cable connector, strain relief with clamping ring, crimp termination, black back shell, 6+PE	C016 10H006 000 12
		MALE right angled cable connector, strain relief with clamping ring, solder termination, black back shell, 6+PE	C016 30 006 100 12


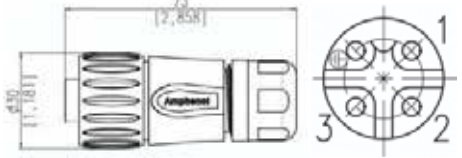

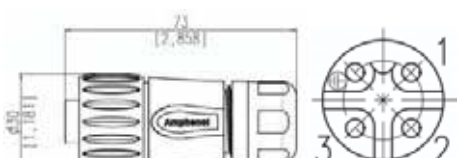

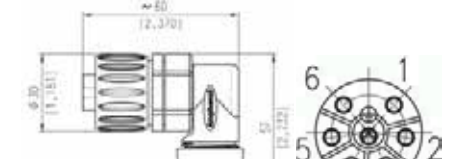

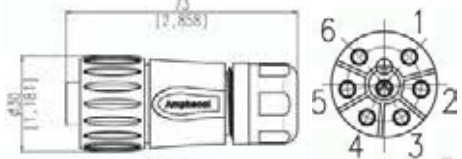

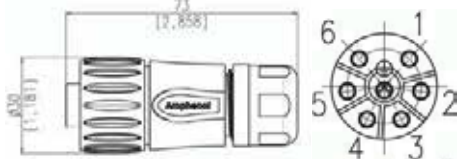

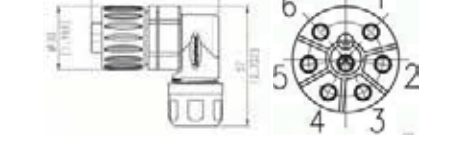
ecoImate® & C16-3 - PRODUCT SHORTFORM

ecomate 3+PE & 6+PE continued _ _

PRODUCT-FIGURE	DRAWING	DESCRIPTION	PART NUMBER
	 <p>Mounting Cut-Out / Montageanschnitt</p> <p>For sealing reasons this surface needs to be level and free of burrs. Dichtfläche in diesem Bereich eben und gratfrei!</p>	<p>FEMALE receptacle, screw termination, black, 3+PE</p>	<p>C016 20G003 100 12</p>
	 <p>Mounting Cut-Out / Montageanschnitt</p> <p>For sealing reasons this surface needs to be level and free of burrs. Dichtfläche in diesem Bereich eben und gratfrei!</p>	<p>FEMALE receptacle, solder termination, black, 6+PE</p>	<p>C016 30G006 100 12</p>
	 <p>Mounting Cut-Out / Montageanschnitt</p> <p>For sealing reasons this surface needs to be level and free of burrs. Dichtfläche in diesem Bereich eben und gratfrei!</p>	<p>FEMALE receptacle, crimp termination, black, 6+PE</p>	<p>C016 10G006 000 12</p>


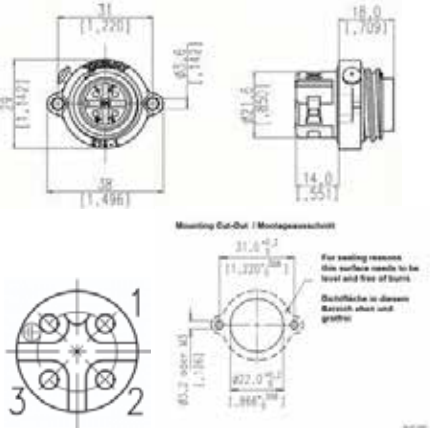

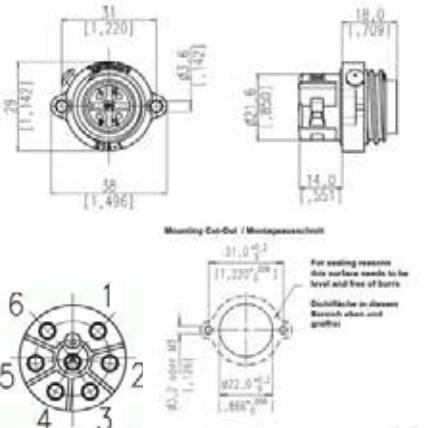

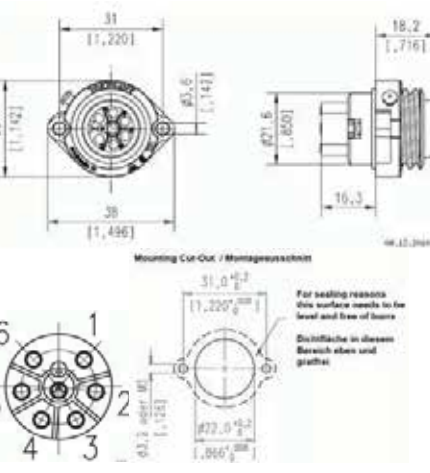
ecoImate® & C16-3 - PRODUCT SHORTFORM

ecomate 3+PE & 6+PE continued _ .

PRODUCT -FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		FEMALE straight cable connector, with internal strain relief, screw termination, blue back shell, 3+PE	C016 20D003 110 10
		FEMALE straight cable connector, with internal strain relief, screw termination, black back shell, 3+PE	C016 20D003 110 12
		FEMALE right angle cable connector, strain relief with clamping ring, screw termination, black back shell, 3+PE	C016 20F003 100 12
		FEMALE straight cable connector, with internal strain relief, solder termination, black back shell, 6+PE	C016 30D006 110 12
		FEMALE straight cable connector, strain relief with clamping ring, crimp termination, black back shell, 6+PE	C016 10D006 000 12
		FEMALE right angled cable connector, strain relief with clamping ring, solder, black back shell, 6+PE	C016 30F006 100 12



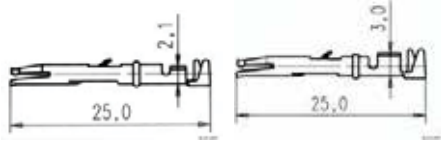


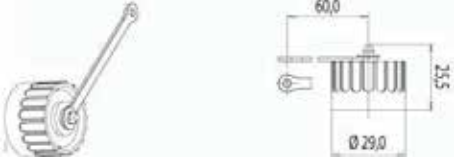

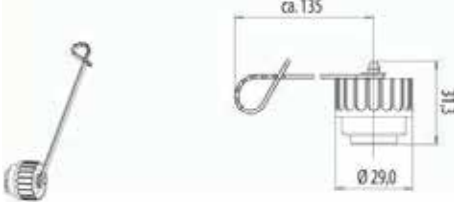

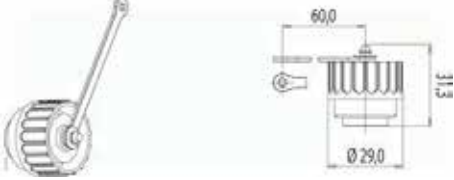
ecoImate® & C16-3 - PRODUCT SHORTFORM

ecomate 3+PE & 6+PE continued _ .

PRODUCT -FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		<p>MALE receptacle, screw termination, black, 3+PE</p>	<p>C016 20C003 100 12</p>
		<p>MALE receptacle, solder termination, black, 6+PE</p>	<p>C016 30C006 100 12</p>
		<p>MALE receptacle, crimp termination, black, 6+PE</p>	<p>C016 10C006 000 12</p>

ecoImate® & C16-3 - PRODUCT SHORTFORM

ecomate 3+PE & 6+PE continued _ _

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		<p>PIN CONTACT (Pack of 100pcs) Wire gauge:</p> <p>0.14 - 0.5mm² (Silver Plated)</p> <p>0.5 to 1.5mm² (Silver Plated)</p> <p>0.5 to 1.5mm² (Gold Plated)</p>	<p>VN 01 016 0011 (1)</p> <p>VN 01 016 0004 (1)</p> <p>VN 01 016 0004 (2)</p>
		<p>SOC ET CONTACT (Pack of 100pcs) Wire gauge:</p> <p>0.14 - 0.5mm² (Silver Plated)</p> <p>0.5 to 1.5mm² (Silver Plated)</p> <p>0.5 to 1.5mm² (Gold Plated)</p>	<p>VN 02 016 0003 (1)</p> <p>VN 02 016 0002 (1)</p> <p>VN 02 016 0002 (2)</p>
		PROTECTIVE COVER for male cable connector	C016 00U000 010 12
		PROTECTIVE COVER for male receptacle	C016 00U000 000 12
		PROTECTIVE COVER for female cable connector	C016 00V000 010 12
		PROTECTIVE COVER for female receptacle	C016 00V000 000 12

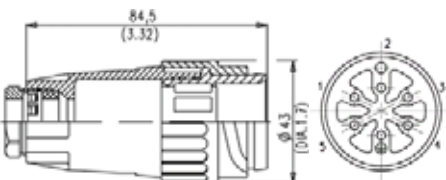

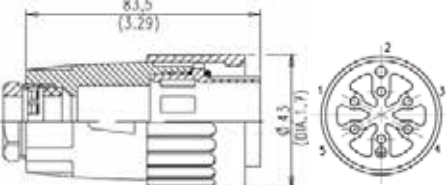
ecoImate® & C16-3 - PRODUCT SHORTFORM

ecomate 3+PE & 6+PE continued _ .

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		HAND CRIMPING TOOL	TA 0100 146
		FRONT RELEASE REMOVAL TOOL for use with ecomate contacts: .N01 016 0011(.) .N01 016 0004(.) .N02 016 0003(.) .N02 016 0002(.)	FG 0300 146 1
C16-3 5+PE			
		MALE straight cable connector, shell size 2, long style I with internal strain relief, 12-14mm OD cable outlet, screw termination, 5+PE	C016 20I005 103 2
		MALE straight cable connector, shell size 2, long style I with internal strain relief, 14-16mm OD cable outlet, screw termination, 5+PE	C016 20I005 104 2
		MALE straight cable connector, shell size 2, short style H with clamping ring, 10-12mm OD cable outlet, screw termination, 5+PE	C016 20H005 103 2


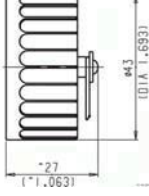

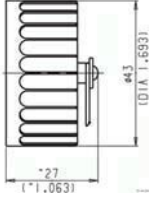

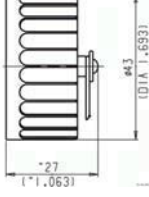

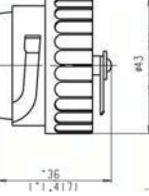
ecoImate® & C16-3 - PRODUCT SHORTFORM

C16-3 5+PE continued _ .

PRODUCT-FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		MALE straight cable connector, shell size 2, short style H with clamping ring, 12-14mm OD cable outlet, screw termination, 5+PE	C016 20H005 104 2
		FEMALE receptacle, shell size 2, style G, screw termination, 5+PE	C016 20G005 100 2
		FEMALE straight cable connector, shell size 2, long style E with internal strain relief, 12-14mm OD cable outlet, screw termination, 5+PE	C016 20E005 103 2
		FEMALE straight cable connector, shell size 2, long style E with internal strain relief, 14-16mm OD cable outlet, screw termination, 5+PE	C016 20E005 104 2
		FEMALE straight cable connector, shell size 2, short style D with clamping ring, 12-14mm OD cable outlet, screw termination, 5+PE	C016 20D005 104 2
		MALE receptacle, shell size 2, style C, screw termination, 5+PE	C016 20C005 100 2

ecoImate® & C16-3 - PRODUCT SHORTFORM

C16-3 5+PE continued _ .

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		PROTECTIVE COVER for male receptacle	C016 00U000 000 2
		PROTECTIVE COVER for male cable connector	C016 00U000 010 2
		PROTECTIVE COVER for female receptacle	C016 00V000 000 2
		PROTECTIVE COVER for female cable connector	C016 00V000 010 2

Other options available (but not stocked at Amphenol Australia) include:

	C 16-3 Shell Size 2 12+PE		C 16-3 Shell Size 1 8+PE
	C 16-3 Shell Size 2 14+PE		C 16-3 Shell Size 1 14+PE
	C 16-3 Shell Size 2 1 +PE		C 16-3 Shell Size 1 12+3+PE
	C 16-3 Shell Size 1 2+PE		C 16-3 Shell Size 1 17+PE
	C 16-3 Shell Size 1 3+PE		C 16-L Shell Size 2 4+PE

heavyImate® - C146 PRODUCT SHORTFORM

Amphenol Australia Pty Ltd


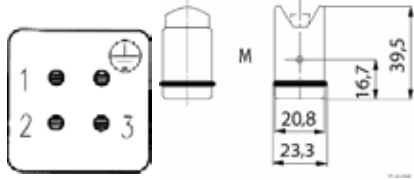

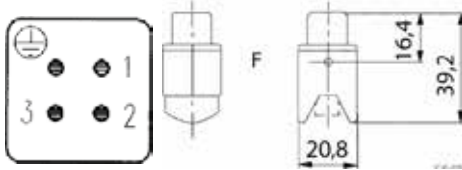

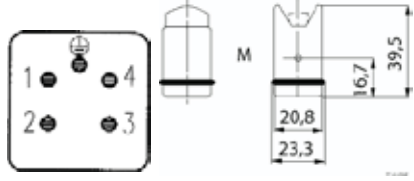

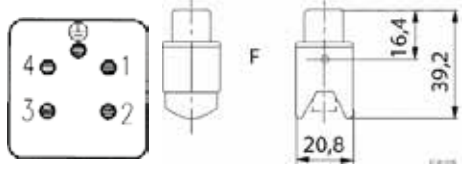

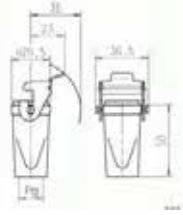

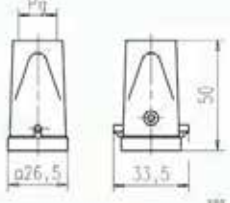

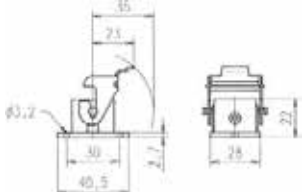
Quick Facts:

- C146A available in 3+PE and 4+PE
- C146A offers a narrow style with a screw termination insert rated to 18A @ 400VAC 3/4 +PE
- C146A screw terminals can accommodate wire gauge 0.25 - 2.5mm².
- C146E contact insert for screw termination with wire protection is rated to: 22A @ 400VAC 6+PE
- 1 A @ 400VAC 10+PE
- 1 A @ 400VAC 16+PE
- 18A @ 400VAC 24+PE
- C146E stocked in 6+PE, 10+PE, 16+PE, 24+PE
- C146E screw terminals can accommodate wire gauge 0.25 - 2.5mm²
- C146E offers a high protection against mismatching. (Female inserts with funnel shaped contact entry avoids mismatching).
- C146E housings are supplied complete with a PG threaded stud.
- C146E housings are rated up to IP65 when mated.




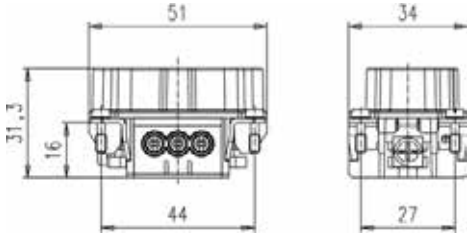

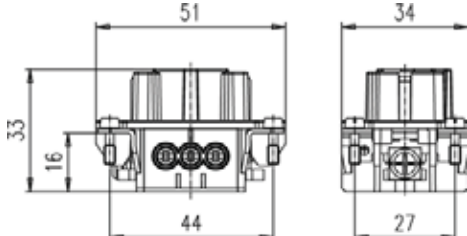

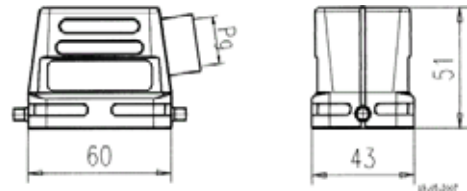

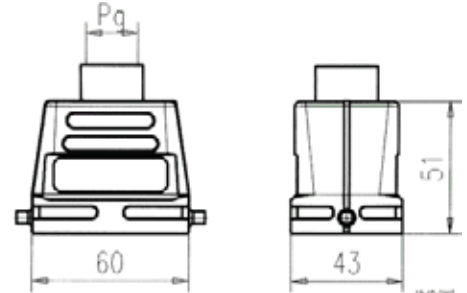

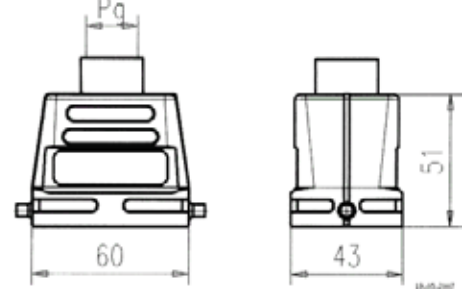
heavyImate® - C146 PRODUCT SHORTFORM

C146A - 3 / 4 POLE

PRODUCT-FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		INSERT C146A 3+PE male, 400VAC, 10A	C146 10A003 002 4
		INSERT C146A 3+PE female, 400VAC, 10A	C146 10B003 002 4
		INSERT C146A 4+PE male, 400VAC, 10A	C146 10A004 002 4
		INSERT C146A 4+PE female, 400VAC, 10A	C146 10B004 002 4
		HOOD Metal, C146A 3/4 pole, cable to cable coupling, PG11	C146 30G003 804 4
		HOOD Metal, C146A 3/4 pole, top entry, PG11	C146 30G003 600 4
		HOUSING Metal, for C146A 3/4 pole, bulkhead mounting c/w gasket	C146 30F003 000 4


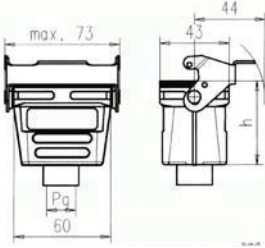

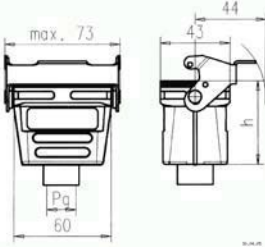

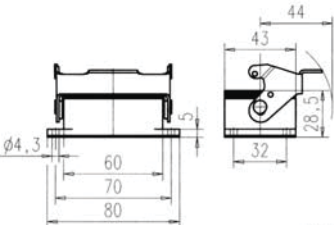

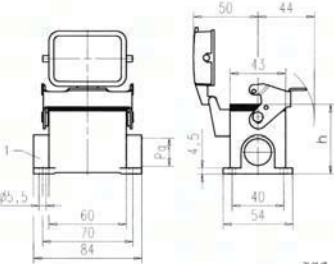

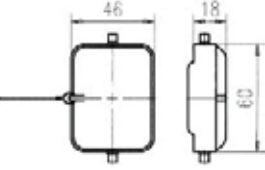

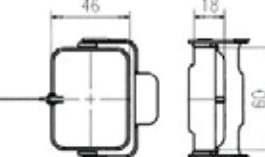
heavyImate® - C146 PRODUCT SHORTFORM

C146E - 6 + PE

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		INSERT C146E 6+PE male, 400VAC, 22A with wire protection	C146 10A006 102 1
		INSERT C146E 6+PE female, 400VAC, 22A with wire protection	C146 10B006 102 1
		HOOD Metal, C146E 6+PE, side entry, low profile, PG13.5	C146 10G006 500 1
		HOOD Metal, C146E 6+PE, top entry, low profile, PG13.5	C146 10G006 600 1
		HOOD Metal, C146E 6+PE, top entry, low profile, PG16	C146 10G006 601 1


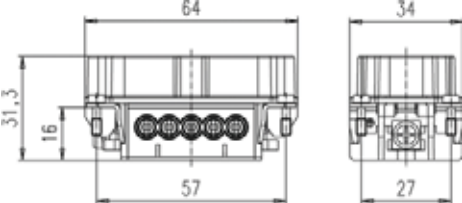

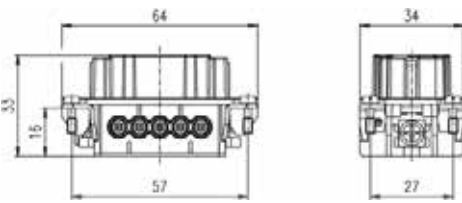

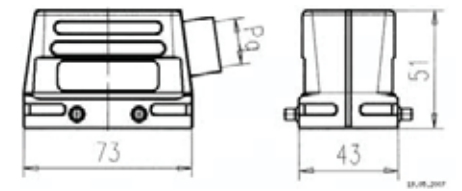

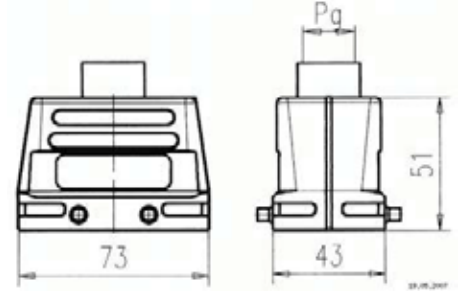

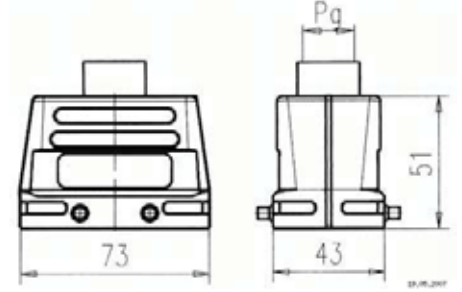
heavyImate® - C146 PRODUCT SHORTFORM

C146E - 6 + PE

PRODUCT-FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		COUPLING HOOD Metal, C146E 6+PE, low profile, PG13.5, H = 52mm	C146 10G006 804 1
		COUPLING HOOD Metal, C146E 6+PE, low profile, PG16, H = 52mm	C146 10G006 805 1
		HOUSING Metal, C146E 6+PE, bulkhead mounting	C146 10F006 000 1
		HOUSING Metal, C146E 6+PE, double side entry, PG 16, H = 54mm	C146 10F006 606 1
		PROTECTIVE COVER For C146E 6+E housing	C146 102006 100 1
		PROTECTIVE COVER For C146E 6+E hood	C146 102006 200 1


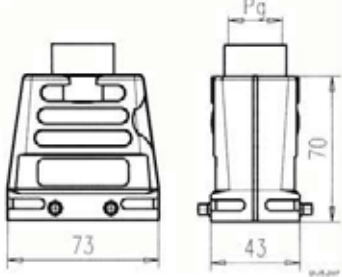

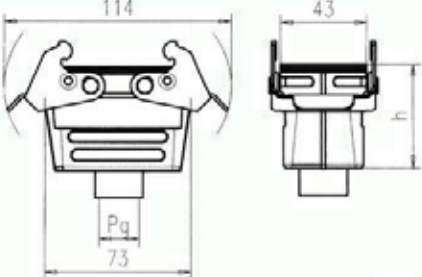

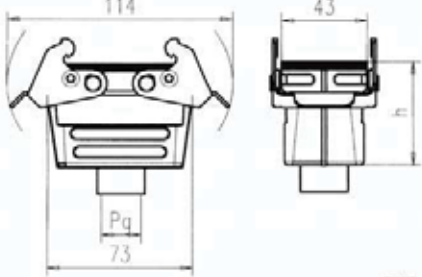

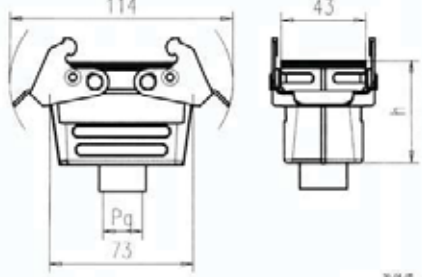

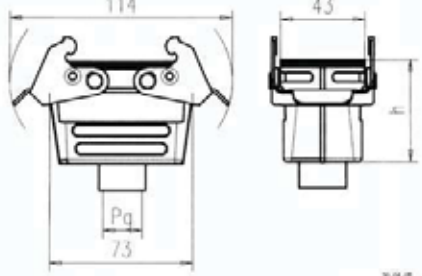
heavyImate® - C146 PRODUCT SHORTFORM

C146E - 10 + PE

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		INSERT C146E 10+PE male, 400VAC, 1 A with wire protection	C146 10A010 102 1
		INSERT C146E 10+PE female, 400VAC, 1 A with wire protection	C146 10B010 102 1
		HOOD Metal, C146E 10+PE, side entry, low profile, PG16	C146 10G010 500 1
		HOOD Metal, C146E 10+PE, top entry, low profile, PG16	C146 10G010 600 1
		HOOD Metal, C146E 10+PE, top entry, low profile, PG21	C146 10G010 601 1


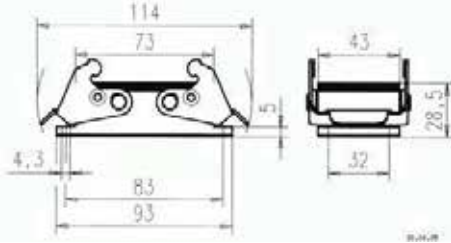

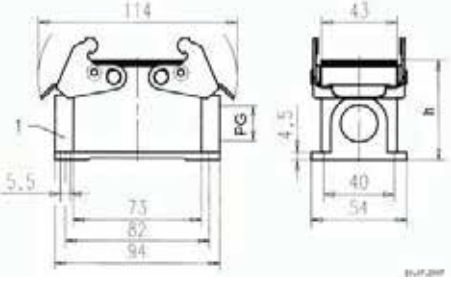

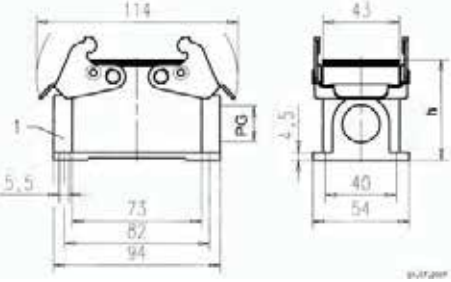

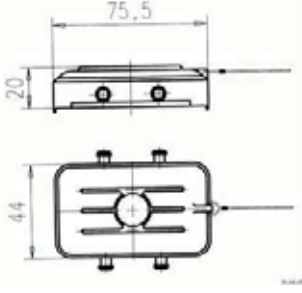

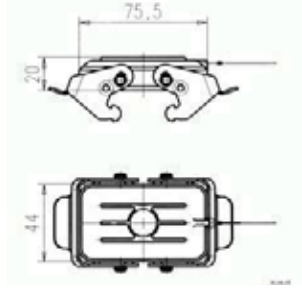
heavyImate® - C146 PRODUCT SHORTFORM

C146E - 10 + PE

PRODUCT -FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		HOOD Metal, C146E 10+PE, top entry, high profile, PG2	C146 10G010 601 8
		COUPLING HOOD Metal, for C146E 10+PE, low profile, PG16, h = 51mm	C146 10G010 802 1
		COUPLING HOOD Metal, for C146E 10+PE, low profile, PG21, h = 51mm	C146 10G010 803 1
		COUPLING HOOD Metal, for C146E 10+PE, high profile, PG21, h = 70mm	C146 10G010 802 8
		COUPLING HOOD Metal, for C146E 10+PE, high profile, PG2, h = 70mm	C146 10G010 803 8


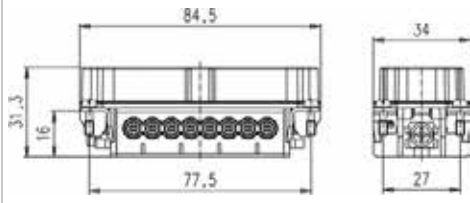

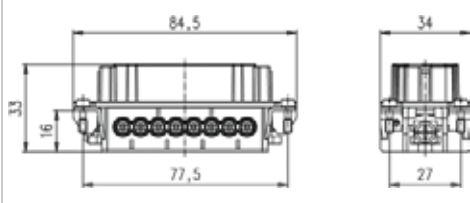

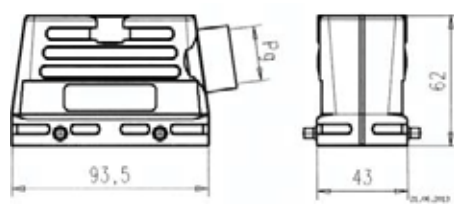

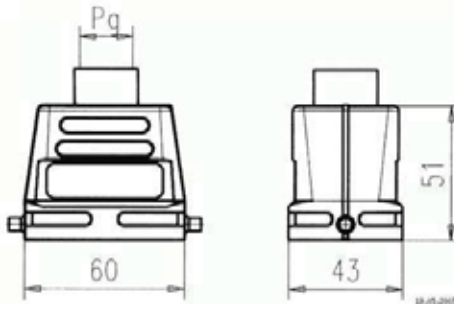

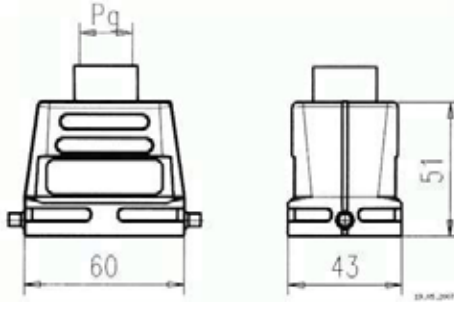
heavyImate® - C146 PRODUCT SHORTFORM

C146E - 10 + PE

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		HOUSING Metal, C146E 10+PE, bulkhead mounting	C146 10F010 000 1
		HOUSING Metal, C146E 10+PE, single side entry, PG 16, H = 57mm	C146 10F010 500 1
		HOUSING Metal, for C146E 10+PE, double side entry, PG 16, H = 57mm	C146 10F010 600 1
		PROTECTIVE COVER, C146E 10+PE housing	C146 102010 100 1
		PROTECTIVE COVER, C146E 10+PE hood	C146 102010 200 1


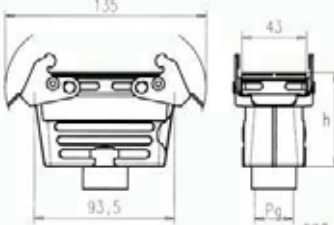

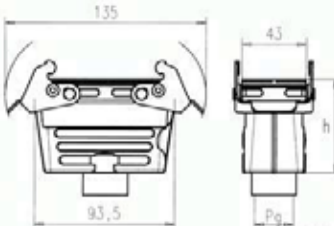

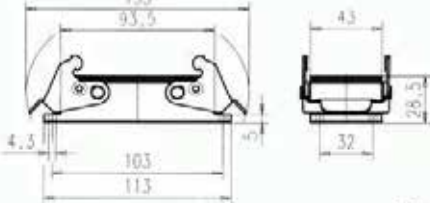

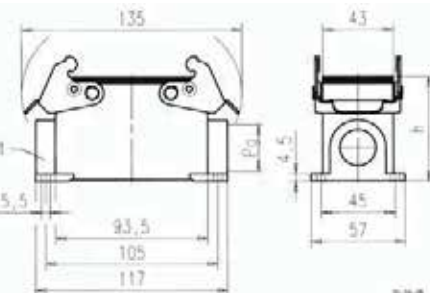

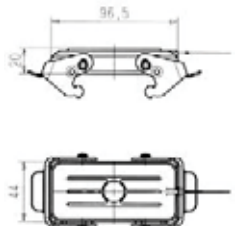

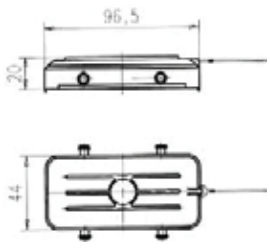
heavyImate® - C146 PRODUCT SHORTFORM

C146E - 16 + PE

PRODUCT-FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		INSERT C146E 16+PE male, 400VAC, 1 A with wire protection	C146 10A016 102 1
		INSERT C146E 16+PE female, 400VAC, 1 A with wire protection	C146 10B016 102 1
		HOOD Metal, C146E 16+PE, side entry, low profile, PG21	C146 10G016 500 1
		HOOD Metal, C146E 16+PE, top entry, low profile, PG21	C146 10G016 600 1
		HOOD Metal, C146E 16+PE, topentry, low profile, PG2	C146 10G016 601 1


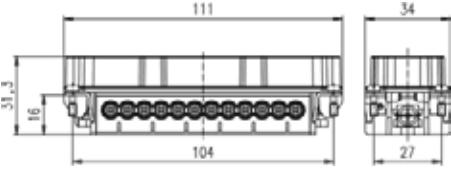

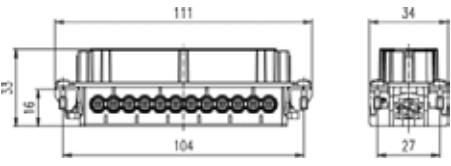

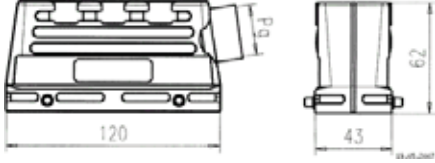

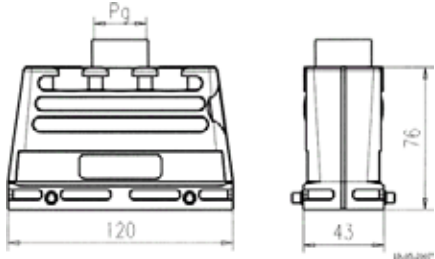

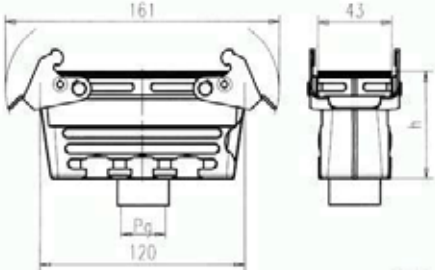
heavyImate® - C146 PRODUCT SHORTFORM

C146E - 16 + PE

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		COUPLING HOOD Metal, C146E 16+PE, low profile, PG21, H = 62mm	C146 10G016 802 1
		COUPLING HOOD Metal, C146E 16+PE, high profile, PG2, H = 76mm	C146 10G016 803 8
		HOUSING Metal, C146E 16+PE, bulkhead mounting	C146 10F016 000 1
		HOUSING Metal, C146E 16+PE, double side entry, PG 21, H = 64mm	C146 10F016 600 1
		PROTECTIVE COVER, C146E 16+PE housing	C146 102016 100 1
		PROTECTIVE COVER, C146E 16+PE hood	C146 102016 200 1


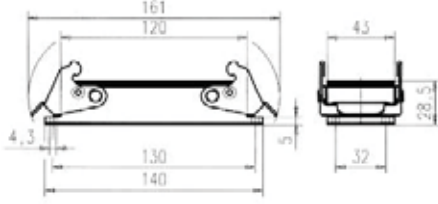

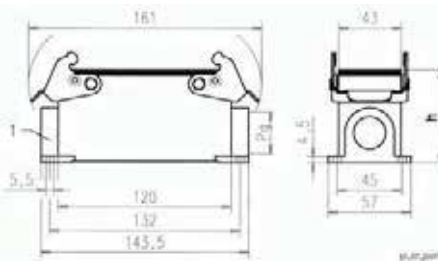

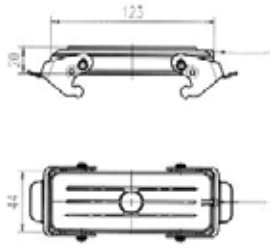

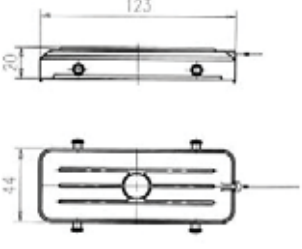
heavyImate® - C146 PRODUCT SHORTFORM

C146E - 24 + PE

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		INSERT C146E 24+PE male, 400VAC, 18A with wire protection	C146 10A024 102 1
		INSERT C146E 24+PE female, 400VAC, 18A with wire protection	C146 10B024 102 1
		HOOD Metal, C146E 24+PE, side entry, low profile, PG21	C146 10G024 500 1
		HOOD Metal, C146E 24+PE, top entry, high profile, PG21	C146 10G024 600 8
		COUPLING HOOD Metal, C146E 24+PE, high profile, PG21, H = 76mm	C146 10G024 802 8


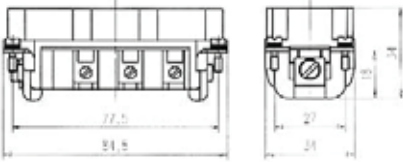

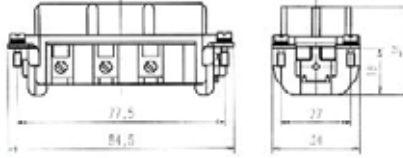

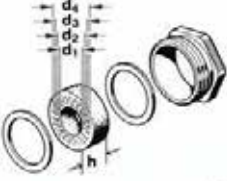

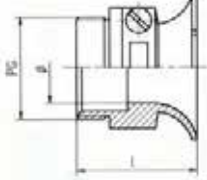

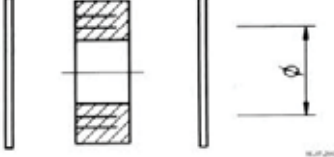


heavyImate® - C146 PRODUCT SHORTFORM

C146E - 24 + PE

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		HOUSING Metal, C146E 24+PE, bulkhead mounting	C146 10F024 000 1
		HOUSING Metal, C146E 24+PE, double side entry, PG 21, h = 64mm	C146 10F024 600 1
		PROTECTIVE COVER, C146E 24+PE housing	C146 102024 100 1
		PROTECTIVE COVER, C146E 24+PE hood	C146 102024 200 1

heavyImate® - C146 PRODUCT SHORTFORM

C146HSE - 6 + PE

PRODUCT - FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		INSERT C146HSE 6+PE male, 400VAC, 42A with wire protection (use 16+PE hoods & housings)	C146 10A006 102 5
		INSERT C146HSE 6+PE female, 400VAC, 42A with wire protection (use 16+PE hoods & housings)	C146 10B006 102 5
ACCESSORIES			
		GLAND BUSHING Metal, IP65 with variable inner diameter, Pack of 10	PG11 = VN16 110 0014 X PG13.5 = VN16 135 0014 X PG16 = VN16 160 0014 X PG21 = VN16 210 0014 X PG2 = VN16 2 0 0014 X
		CABLE CLAMP Metal, IP65 without gasket, pack of 5 (Requires Sealing below when using this cable clamp)	PG13.5 = VN16 135 0002 V PG16 = VN16 160 0002 V PG21 = VN16 210 0002 V PG2 = VN16 2 0 0002 V
		SEALING Variable inner diameter, and pressure rings, pack of 10 (Required when using above cable clamp)	PG13.5 = VN16 135 002 X PG16 = VN16 160 002 X PG21 = VN16 210 002 X PG2 = VN16 2 0 002 X
		ADAPTOR, PG Male to Metric Female, 1.5mm pitch	PG11/M20 PG13.5/M20
		ADAPTOR, PG Male to Metric Female, 1.5mm pitch	PG16/M20 PG21/M25 PG2 /M32

MIL-C-5015 PRODUCT SHORTFORM



Amphenol Australia Pty Ltd

Quick Facts:

- 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 ex-stock in Australia.
- Cable connectors supplied complete with telescopic bushing MS3420. This is designed to keep dirt, oil and moisture out of the endbell.



Telescopic bushing



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.

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 milivolt drop. Size 16 and 12 contacts incorporate a closed entry design.

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.



Straight Plug
MS3106Fxx-xxx*



Cable Connecting Receptacle
MS3101Fxx-xxx*



Right Angle Plug
MS3108Exx-xxx*

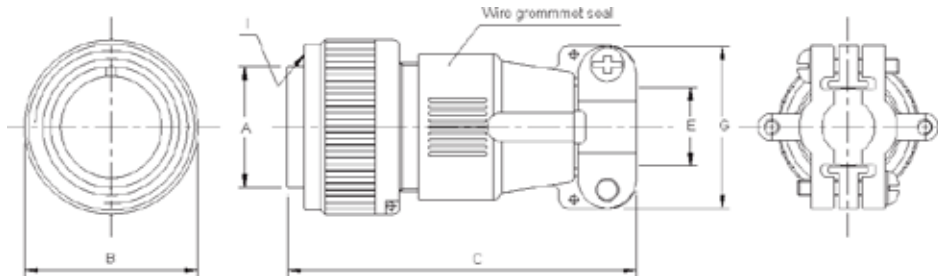


Box Mounting Receptacle
MS3102Rxx-xxx*

* Please Note: to complete part number please refer to Part Number Breakdown

MIL-C-5015 - PRODUCT SHORTFORM

MS3106F Straight Plug - Integral Cable Clamp (supplied complete with telescopic bushing)

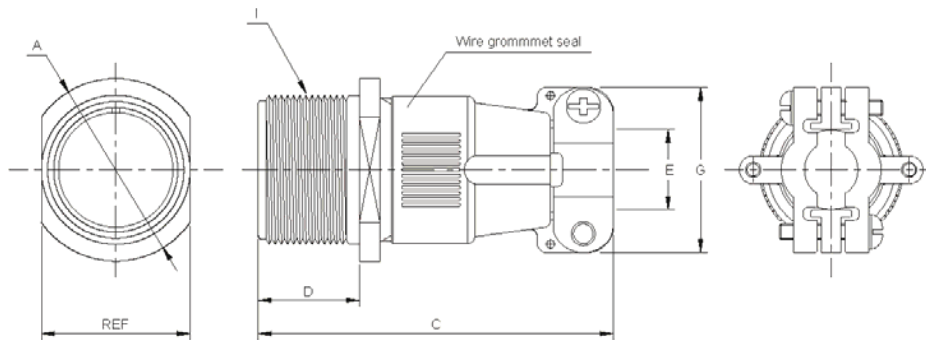


Shell Size	A +0.00 -0.38	B Max.	C Max.	OE Max.	OG Max.	Thread-2B (UNEF)
10SL	11.33	24.61	57.15	7.9	23.0	5/8-24 NEF
14S	17.15	29.36	57.15	11.2	26.0	3/4-20 NEF
16S	20.45	31.75	57.15	14.2	29.0	3/4-20 NEF
18	23.62	34.13	68.27	16.0	31.6	1-20 NEF
20	26.67	37.31	69.85	19.1	37.5	1 1/4-18 NEF
24	33.02	43.66	75.41	23.8	43.0	1 1/2-18 NEF



MIL-C-5015 - PRODUCT SHORTFORM

MS3101F Cable Connecting Receptacle - Integral Cable Clamp (supplied complete with telescopic bushing)

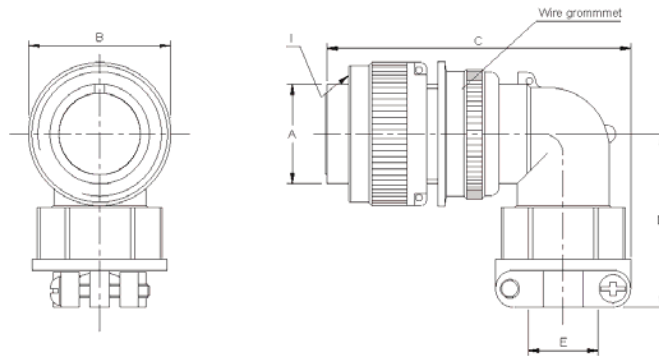


Shell Size	A Max.	C Max.	D +0.79 -0.00	OE Max.	OG Max.	Thread-2B (UNEF)
10SL	25.40	57.15	14.28	7.9	23.0	5/8-24 NEF
14S	30.18	57.15	14.28	11.2	26.0	3/4-20 NEF
16S	32.54	57.15	14.28	14.2	29.0	3/4-20 NEF
18	34.93	68.27	19.05	16.0	31.6	1-20 NEF
20	38.10	69.85	19.05	19.1	37.5	1 1/4-18 NEF
24	44.45	75.41	20.63	23.8	43.0	1 1/2-18 NEF

MS3101F10SL-3P 	MS3101F10SL-3S 				MS3101F14S-2P 	MS3101F14S-2S 
MS3101F14S-5P 	MS3101F14S-5S 	MS3101F14S-6P 	MS3101F14S-6S 			
MS3101F16S-1P 	MS3101F16S-1S 	MS3101F18-1P 	MS3101F18-1S 	MS3101F20-27P 	MS3101F20-27S 	
MS3101F20-29P 	MS3101F20-29S 					

MIL-C-5015 - PRODUCT SHORTFORM

MS3108F Right Angle Plug - Integral Cable Clamp (supplied complete with telescopic bushing)

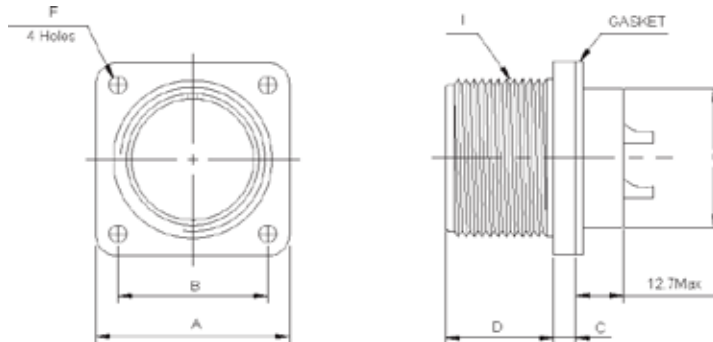


Shell Size	A +0.00 -0.38	B Max.	C Max.	D Max.	OE Max.	Thread-2B (UNEF)
10SL	11.33	24.61	55.57	38.1	7.9	5/8-24 NEF
14S	17.15	29.36	58.72	40.4	11.2	3/4-20 NEF
16S	20.45	31.75	61.11	42.8	14.2	3/4-20 NEF
18	23.62	34.13	72.23	45.2	16.0	1-20 NEF
20	26.67	37.31	82.55	50.0	19.1	1 1/4-18 NEF
24	33.02	43.66	94.46	53.9	23.8	1 1/2-18 NEF

MS3108E10SL-3P 	MS3108S10SL-3S 				
MS3108E14S-5P 		MS3108E14S-6P 	MS3108E14S-6S 	MS3108E14S-7P 	
MS3108E16S-1P 	MS3108E16S-1S 	MS3108E18-1P 	MS3108E18-1S 	MS3108E20-27P 	MS3108E20-27S 

MIL-C-5015 - PRODUCT SHORTFORM

MS3102R Box Mounting Receptacle (supplied complete with sealing gasket)

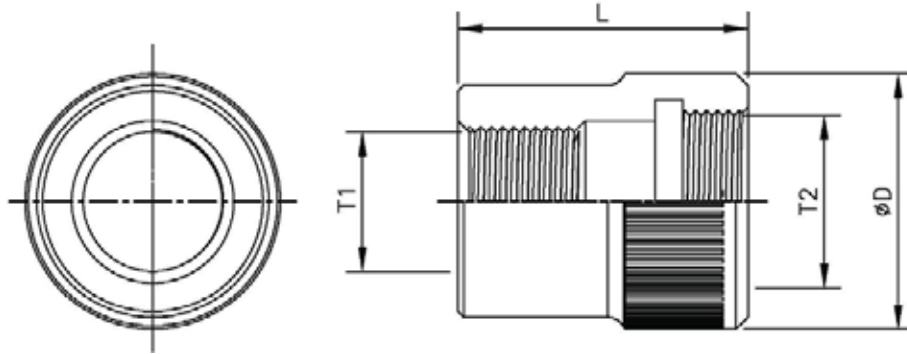


Shell Size	A ±0.79	B ±0.12	C ±0.5	D +0.79 -0.00	OF +0.25 -0.12	OG Max.	Thread-2A (UNEF)
10SL	25.40	18.26	3.0	14.28	3.05	16.0	5/8-24 NEF
14S	30.18	23.01	3.0	14.28	3.05	20.0	3/4-20 NEF
16S	32.54	24.61	3.0	14.28	3.05	23.0	3/4-20 NEF
18	34.93	26.97	4.0	19.05	3.05	26.0	1-20 NEF
20	38.10	29.36	4.0	19.05	3.05	29.0	1 1/4-18 NEF
24	44.45	34.93	4.0	20.63	3.73	35.5	1 1/2-18 NEF

MS3102R10SL-3P 	MS3102R10SL-3S 	MS3102R10SL-4P 	MS3102R10SL-4S 	MS3102R14S-2P 	MS3102R14S-2S
MS3102R14S-5P 	MS3102R14S-5S 	MS3102R14S-6P 	MS3102R14S-6S 	MS3102R14S-7P 	MS3102R14S-7S
MS3102R16S-1P 	MS3102R16S-1S 	MS3102R18-1P 	MS3102R18-1S 	MS3102R20-27P 	MS3102R20-27S
MS3102R20-29P 	MS3102R20-29S 	MS3102R24-28P 	MS3102R24-28S 		

MIL-C-5015 - PRODUCT SHORTFORM

Accessories - Metric Adaptors



Part Number	Shell Size	T1	T2	D Max.	L ±0.20
10SL ADAPTOR **	10SL	9/16-24 UNEF	5/8-24 UNEF		
97B-10SLM12*1.5 **	10	M12X1.5	9/16-24 UNEF	22.00	25.00
97B-14S-M16*1.5	14S	M16X1.5	3/4-20 UNEF	25.00	25.00
97B-16S-M16*1.5	16S / 16	M16X1.5	7/8-20 UNEF	27.00	30.00
97B-18-M20*1.5	18	M20X1.5	1-20 UNEF	30.50	40.00
97B-20-M25*1.5	20	M25X1.5	1 1/8-18 UNEF	33.00	40.00
97B-24-M32*1.5	24	M32X1.5	1 3/8-18 UNEF	39.50	50.00

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



Application example: MS3106 fitted with metric adaptor and cable gland

10SL ADAPTOR					
97B-10SLM12*1.5	97B-14S-M16*1.5	97B-16S-M16*1.5	97B-18-M20*1.5	97B-20-M25*1.5	97B-24-M32*1.5

MIL-C-5015 - PRODUCT SHORTFORM

Accessories - Dust Caps (suits 00, 01 and 02 Receptacles)

MS25043-10D	MS25043-12D	MS25043-14D	MS25043-16D	MS25043-18D	MS25043-20D
					

Accessories - Dust Caps (suits 06 and 08 Plugs)

MS25042-10D	MS25042-12D	MS25042-14D	MS25042-16D	MS25042-18D	MS25042-20D
					

Accessories - Telescopic bushing

MS3420-4	MS3420-6	MS3420-8	MS3420-10	MS3420-12	MS3420-16
					
MS3420-20	MS3420-24				
					

Accessories - Sealing Gaskets

BMA-31-10	BMA-31-12	BMA-31-14	BMA-31-16	BMA-31-18	BMA-31-20
					
BMA-31-22	BMA-31-24	BMA-31-28	BMA-31-32	BMA-31-40	
					

MIL-C-5015 PRODUCT SHORTFORM



Quick Facts:

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

Accessories - We have 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 to discuss your specific requirements.

CONTACT DETAILS

Phone
03 8796 8888
Facsimile
03 8796 8801

E-mail
info@amphenol.com.au

Web
www.amphenol.com.au

No you re co ecte



Standard connector layouts (front face of pin insert or rear face of socket insert illustrated)

Insert Arrangement	10SL-3	10SL-4	14S-2	14S-5	14S-6	14S-7
Service Rating	A	A	nst.	nst.	nst.	A
Number of Contacts	3	2	4	5	6	3
Contact Size	16	16	16	16	16	16

Insert Arrangement	16S-1	18-1	20-27	20-29	24-28	
Service Rating	A	B, C, F, G = A, Bal. = nst.	A	A	nst.	
Number of Contacts	7	10	14	17	24	
Contact Size	16	16	16	16	16	

Technical Data

1 . Characteristics

Insulation resistance	5,000 Mega ohms minimum (@25°C)
Temperature range	-55°C to 125°C
Durability	500 mating cycles

2 . Dielectric withstanding voltage

Service Rating	Test Voltage AC (RMS)	Operating voltage	
		AC	DC
nst.	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

3 . Electrical data

Contact Size	Pin contact Ø	Solder pot Ø	Rated current (Mated with insulators fitted)	Contact resistance	
				Test current DC A	Potential Drop (Max) mV
#16	1.6mm	1.9mm	13A	13A	49
#12	2.4mm	3.0mm	23A	23A	42
#8	3.6mm	5.4mm	46A	46A	26

4 . Wire range

Contact Size	A.W.G	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	::8.0	4.2 ~ 6.4

MIL-C-5015 PRODUCT SHORTFORM



Radsok® Technology Connector options



Part Number Breakdown

MIL-C-5015 (Solder Contacts)

MS	3102	A	18-10	P	W	XXX	
1	2	3	4	5	6	7	8

- Connector Type
MS - designates Military Standard
DS - Amphenol MIL- C-5015 Europe use
- Connector Style
3100- wall mounting receptacle
3101- cable connecting plug
3102- box mounting receptacle
3106- straight plug
3108- 90° Right angle plug
- Service Class
A - General purpose, Solid Endbell
E - Environmental resisting, with grommet seal & strain relief back shell
F - Environmental resisting with grommet seal & strain relief back shell
3106F and 3108E style include a front 'O' ring seal
R - Environmental resisting with grommet seal, light weight and shorter
Overall length 310R style include a front 'O' ring seal
5. Shell size and insert arrangement - see tables, page 26.27
- Contact Types
P- designates pin contact, (+) Male
S- designates socket contact, (-) Female
- Insert Rotation
No suffix - Normal
"W", "X", "Y", or "Z" - See page 26.27
- Plating information
No suffix - Olive Drab Zinc
CD - Cadmium
C1 - Cobalt (Without +6 Cr)
621 - Black Zinc
689 - Electro-less Nickel
426 - Electro-less Nickel & gold flash contacts

MIL-C-5015 (Crimp Contacts)

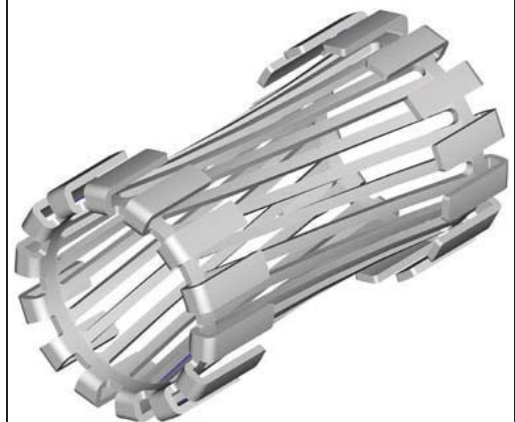
MS	4102	A	18-10	P	W	XXX	
1	2	3	4	5	6	7	8

- Connector Type
MS - designates Military Standard
- Connector Style
4100 - wall mounting receptacle
4101 - cable connecting plug
4102 - box mounting receptacle
4106 - straight plug
4108 - 90° Right angle plug
- Service Class
A - General purpose, Solid Endbell
E - Environmental resisting, with grommet seal & strain relief back shell
F - Environmental resisting with grommet seal & strain relief back shell
3106F and 3108E style include a front 'O' ring seal
R - Environmental resisting with grommet seal, light weight and shorter
Overall length 310R style include a front 'O' ring seal
5. Shell size and insert arrangement - see tables, page 26.27
- Contact Types
P- designates pin contact, (+) Male
S- designates socket contact, (-) Female
- Insert Rotation
No suffix - Normal
"W", "X", "Y", or "Z" - See page 26.27
- Plating information
No suffix - Olive Drab Zinc
CD - Cadmium
C1 - Cobalt (Without +6 Cr)
621 - Black Zinc
689 - Electro-less Nickel
426 - Electro-less Nickel & gold flash contacts

Radsok® Technology

Amphenol Radsok® design and construction technology create an electrical contact interface that exceeds typical interconnect requirements. Applications in aerospace, industrial, automotive, mining, offshore and other harsh environments depend on high reliability of the Amphenol Radsok® technology.

- **HIGH CURRENT RATING**
- **50A TO OVER 1000A**
- **HIGH RELIABILITY**
- **HIGH CYCLE DURABILITY**
- **LOW MILIVOLT DROP**
- **LOW INSERTION FORCE**
- **LOW TEMPERATURE RISE**



Radsok® socket contact
(Available in standard sizes)



MULTIPIN CONNECTORS

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

- † "VEJP \$BCMFT BOE 4OBLFT
- † -JHIUJOH DPOUSPM
- † \$PODFSU 5PVSJOH 4ZTUFNT
- † 0VUTJEF #SPBEDBTU 4ZTUFNT

Features / Options - MP-41 Series

- † 13 UP 85 QJOT XJUI \$SJNQ / 4PMEFS CVDLFU contacts
- † 150 QJOT XJUI \$SJNQ DPOUBDUT POMZ
- † UP 8 DIBOOFM
- † (PME QMBUFE DPOUBDUT
- † 4ZOUIFUJD JOTFSUT
- † &OWJSPONFOUBM SFTJTUBOU
- † 1PTJUUWF #BZPOFU MPDLJOH
- † 1 (DBCMF HMBOE
- † 2000 NBUJOH DZDMFT
- † #BZPOFU XFBS QJOT
- † &YUFOEFE DPVQMJOH SJOH
- † .FUBM)PVTJOHT

Features / Options - 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

Ordering Codes

We have listed the more common ordering codes in each section. For further options please contact us.

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use pins column to determine number of contacts.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.


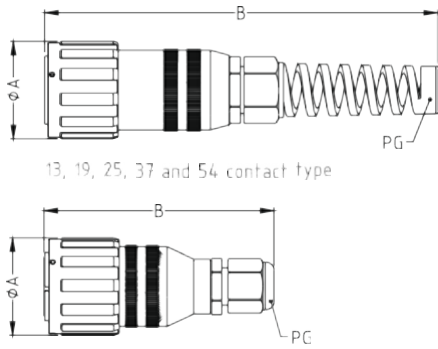

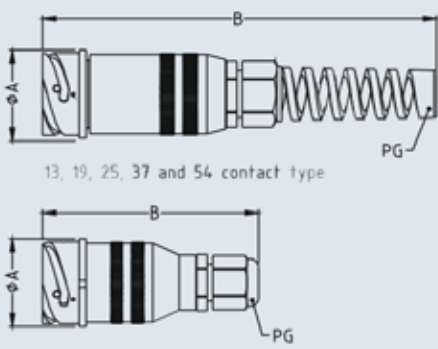





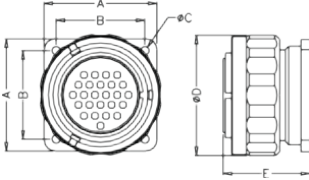

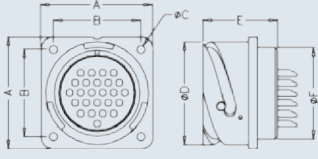

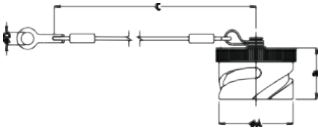

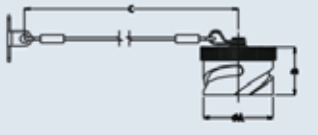
Amphenol's MP-41 series of multipin connectors utilise the same design principals of the rugged Mil-C-5015 military connectors. They can withstand high shock and vibration environments and are ideal for tough on-road applications. Featuring a quick mating bayonet coupling with an audible full mating feature ensures a positive connection every time. Available from 13 to 150 pins with contacts supplied with each connector as standard.


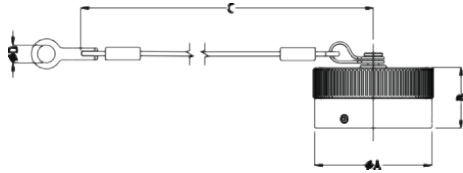

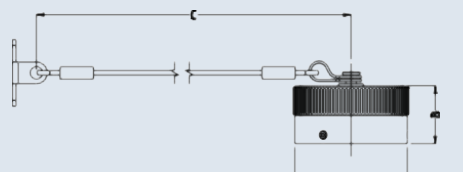
Features:








- † 13 UP 85 QJOTXJUI \$\$JNQ/4PMEFS
- † 150 QJOT XJUI \$\$JNQ DPOUBDUT POMZ
- † UP 8 DIBOOFMT
- † (PME QMBUFE DPOUBDUT
- † 4ZOUIFUJD JOTFSU
- † 1SPUFDUJWF EVTUDBQT
- † *OEVTUSZ TUBOEBSE DPNQBUIJCMF
- † 2000 NBUJOH DZDMFT
- † #MBDL GJOJTI
- † 1PTJUJWF CBZPOFU MPDLJQH
- † 1(DBCMF HMBOET
- † *167 SBUFE
- † .FUBM IPVJTOHT

PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)			PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	PG			
 <p>Straight cable plug with socket contacts, Black finish, supplied complete with contacts.</p>  <p>13, 19, 25, 37 and 54 contact type</p> <p>85 and 150 contact type</p>		40.5 (1.60)	160 (6.30)	11	13	MP-4106-13S	MP-4106-13S-C
		44 (1.73)	171 (6.73)	13.5	19	MP-4106-19S	MP-4106-19S-C
		46.6 (1.83)	193 (7.60)	16	25	MP-4106-25S	MP-4106-25S-C
		54.3 (2.14)	210 (8.26)	21	37	MP-4106-37S	MP-4106-37S-C
		60.1 (2.36)	210 (8.26)	21	54	MP-4106-54S	MP-4106-54S-C
		73.3 (2.88)	137 (5.40)	29	85	MP-4106-85S	MP-4106-85S-C
		73.3 (2.88)	145 (5.70)	36	150	MP-4106-150S	MP-4106-150S-C
	 <p>Cable connecting receptacle with pin contacts, black finish, supplied complete with contacts.</p>  <p>13, 19, 25, 37 and 54 contact type</p> <p>85 and 150 contact type</p>		37.8 (1.49)	160 (6.30)	11	13	MP-4101-13P
		41.1 (1.62)	171 (6.73)	13.5	19	MP-4101-19P	MP-4101-19P-C
		41.5 (1.63)	193 (7.60)	16	25	MP-4101-25P	MP-4101-25P-C
		51 (2.00)	210 (8.26)	21	37	MP-4101-37P	MP-4101-37P-C
		57.1 (2.25)	210 (8.26)	21	54	MP-4101-54P	MP-4101-54P-C
		70 (2.75)	137 (5.40)	29	85	MP-4101-85P	MP-4101-85P-C
		70 (2.75)	145 (5.70)	36	150	MP-4101-150P	MP-4101-150P-C

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

PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)						PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	C	D	E	F			
	Panel plug with socket contacts, black finish, supplied complete with contacts. 	38 (1.49)	29.4 (1.15)	3.2 (0.13)	40.5 (1.60)	38.8 (1.53)	N/A	13	MP-4164-13S	MP-4164-13S-C
		41 (1.61)	31.8 (1.25)	3.2 (0.13)	44 (1.73)	38.8 (1.53)	N/A	19	MP-4164-19S	MP-4164-19S-C
		44.5 (1.75)	34.9 (1.37)	3.73 (0.14)	48.51 (1.91)	40.6 (1.60)	N/A	25	MP-4164-25S	MP-4164-25S-C
		50.8 (1.99)	39.7 (1.56)	3.73 (0.14)	54.3 (2.14)	42 (1.65)	N/A	37	MP-4164-37S	MP-4164-37S-C
		57 (2.24)	44.5 (1.75)	4.39 (0.17)	60.8 (2.40)	45 (1.77)	N/A	54	MP-4164-54S	MP-4164-54S-C
		69.8 (2.74)	55.5 (2.18)	4.39 (0.17)	73.3 (2.88)	45 (1.77)	N/A	85	MP-4164-85S	MP-4164-85S-C
		69.8 (2.74)	55.5 (2.18)	4.39 (0.17)	73.3 (2.88)	45 (1.77)	N/A	150	MP-4164-150S	MP-4164-150S-C
			Panel receptacle with pin contacts, black finish, supplied complete with contacts. 	38 (1.49)	29.4 (1.15)	3.23 (0.13)	34.2 (1.34)	34.5 (1.35)	29 (1.14)	13
41 (1.61)	31.8 (1.25)			3.23 (0.13)	37.4 (1.47)	34.5 (1.35)	32.2 (1.26)	19	MP-4102-19P	MP-4102-19P-C
44.5 (1.75)	34.9 (1.37)			3.73 (0.14)	40.9 (1.61)	35.7 (1.40)	35.3 (1.38)	25	MP-4102-25P	MP-4102-25P-C
50.8 (1.99)	39.7 (1.56)			3.73 (0.14)	46.7 (1.83)	36.5 (1.44)	41.4 (1.62)	37	MP-4102-37P	MP-4102-37P-C
57 (2.24)	44.5 (1.75)			4.30 (0.17)	53.4 (2.10)	38.5 (1.52)	47.8 (1.88)	54	MP-4102-54P	MP-4102-54P-C
69.8 (2.74)	55.5 (2.18)			4.30 (0.17)	65.5 (2.57)	38.5 (1.52)	59 (2.32)	85	MP-4102-85P	MP-4102-85P-C
69.8 (2.74)	55.5 (2.18)			4.30 (0.17)	65.5 (2.57)	38.5 (1.52)	59 (2.32)	150	MP-4102-150P	MP-4102-150P-C
	Plug protective dustcap to suit MP-4164 type. 			34.16 (1.35)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	13
		37.36 (1.47)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	19	MP-25042-19S	-
		40.87 (1.61)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	25	MP-25042-25S	-
		46.68 (1.84)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	37	MP-25042-37S	-
		53.36 (2.10)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	54	MP-25042-54S	-
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	85	MP-25042-85S	-
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	150	MP-25042-150S	-
			Receptacle protective dustcap to suit MP-4106 types. 	38.8 (1.53)	20.7 (0.81)	255 (8.07)	-	-	-	13
41.6 (1.64)	20.7 (0.81)			255 (8.07)	-	-	-	19	MP-25042-19L	-
45.3 (1.78)	20.7 (0.81)			255 (8.07)	-	-	-	25	MP-25042-25L	-
52.15 (2.05)	20.7 (0.81)			255 (8.07)	-	-	-	37	MP-25042-37L	-
58.6 (2.30)	20.7 (0.81)			255 (8.07)	-	-	-	54	MP-25042-54L	-
70.7 (2.78)	20.7 (0.81)			255 (8.07)	-	-	-	85	MP-25042-85L	-
70.7 (2.78)	20.7 (0.81)			255 (8.07)	-	-	-	150	MP-25042-150L	-

PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)						PINS	PART NUMBER
		A	B	C	D	E	F		
	<p>Plug protective dustcap to suit MP-4102 types.</p> 	34.16 (1.35)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	13	MP-25043-13S
		37.36 (1.47)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	19	MP-25043-19S
		40.87 (1.61)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	25	MP-25043-25S
		46.68 (1.84)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	37	MP-25043-37S
		53.36 (2.10)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	54	MP-25043-54S
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	85	MP-25043-85S
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	150	MP-25043-150S
			<p>Receptacle protective dustcap to suit MP-4101 types.</p> 	38.8 (1.53)	20.7 (0.81)	255 (8.07)	-	-	-
41.6 (1.64)	20.7 (0.81)			255 (8.07)	-	-	-	19	MP-25043-19L
45.3 (1.78)	20.7 (0.81)			255 (8.07)	-	-	-	25	MP-25043-25L
52.15 (2.05)	20.7 (0.81)			255 (8.07)	-	-	-	37	MP-25043-37L
58.6 (2.30)	20.7 (0.81)			255 (8.07)	-	-	-	54	MP-25043-54L
70.7 (2.78)	20.7 (0.81)			255 (8.07)	-	-	-	85	MP-25043-85L
70.7 (2.78)	20.7 (0.81)			255 (8.07)	-	-	-	150	MP-25043-150L

PRODUCT - FIGURE	DRAWING	DESCRIPTION	NO. OF PINS	PART NUMBER
	N/A	Crimp Tool	All	M22520/1-01
	N/A	Positioner / Turret	All	TH29-1
	N/A	Insertion tool	13-85	MP-INS-16
			150	MP-INS-18
	N/A	Extraction tool	All	MP-EXT-16/18
	N/A	Contact Pilot Pin	13-85	MP-GUIDE-16
			150	MP-GUIDE-18
	N/A	Solder/Crimp Pin Contact	13-85 (Size 16)	MP-108400
		Crimp Pin Contact (Soldering of this contact is not recommended)	150 (Size 18)	MP-108300
	N/A	Solder/Crimp Socket Contact	13-85 (Size 16)	MP-108600
		Crimp Socket Contact (Soldering of this contact is not recommended)	150 (Size 18)	MP-108500

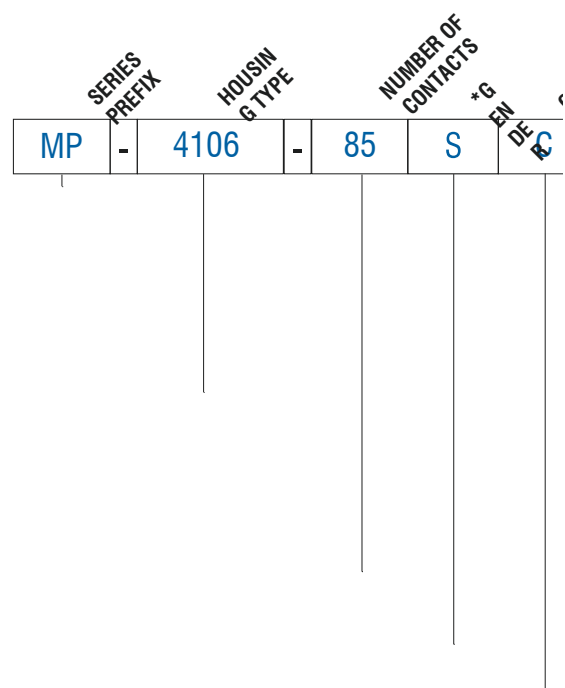
NOTE: Complete instructions for providing reliable crimped wire to contact terminations and inserting proprietary contacts in MP-41 Series connectors are available in publication PI523 located on our website www.amphenolaudio.com.

PART NUMBER BREAKDOWN MP-41 SERIES

MULTIPIN CIRCULAR CONNECTORS

E. G. **MP-4106-85S**
Multipin, **4106** Cable Plug, **85** Contacts, **S** Female Socket Contacts,

SERIES PREFIX	MP	=	Series Prefix
HOUSING TYPE	4101	=	Inline cable connecting receptacle
	4102	=	Panel receptacle
	4106	=	Cable plug
	4164	=	Panel plug
	25042S	=	Dustcap for panel plug
	25042L	=	Dustcap for cable plug
	25043S	=	Dustcap for panel receptacle
	25043L	=	Dustcap for cable receptacle
NO. OF CONTACTS			13, 19, 25, 37, 54, 85, 150
GENDER <small>*Not required for dustcap part numbers</small>	P	=	Male pin contacts
	S	=	Female socket contacts
OPTIONS	C	=	Supplied with Dustcap



STANDARD DATA MP-41 SERIES

		VALUE						
GENERAL CHARACTERISTICS	Number of contacts	13	19	25	37	54	85	150
	Number of channels	4	6	8	12	16	28	48
	Termination	Solder / Crimp "Combo"						Crimp
	Wire Gauge - Stranded Wire	16AWG - 20AWG						18AWG
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU						
ELECTRICAL CHARACTERISTICS	Operating Voltage at Sea level - DC	250V*						250V*
	Operating Voltage at Sea level - AC	200V*						200V*
	Test Voltage AC RMS	1000V						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 (-67°F to +257°F)						
MECHANICAL CHARACTERISTICS	Cable Retention	PG Gland						
	Mechanical Operations	2000 mating cycles						
MATERIALS	Connector / Shell Finish	Aluminium Alloy / Black						
	Insert	Synthetic Insert to MIL-R-3065						
	Male pin contact / Plating	Brass / Gold plated						
	Female socket 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
	(inches)	(0.15"-0.39")	(0.19"-0.47")	(0.35"-0.55")	(0.51"-0.70")	(0.55"-0.98")	(0.74"-1.25")	

Rev 2 - 03/2013


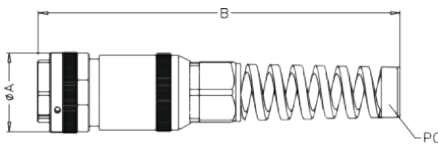

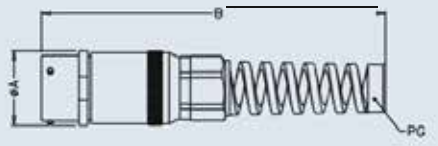

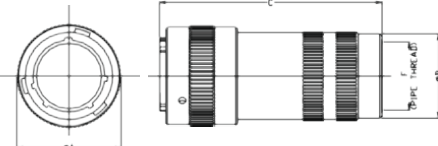

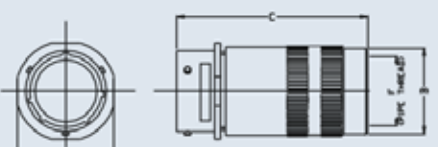
*Not suitable for domestic applications above 50V


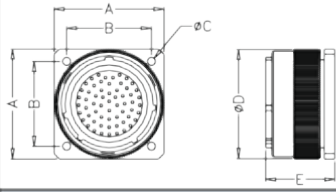

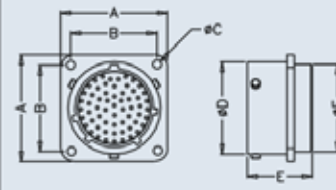

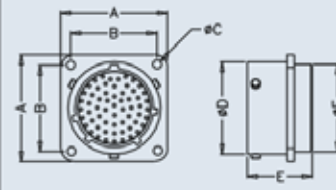

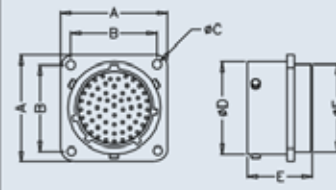



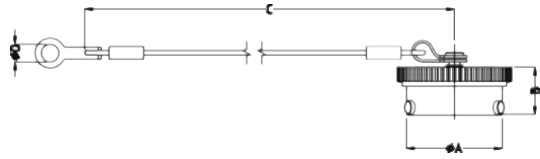

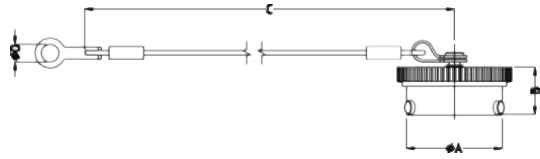

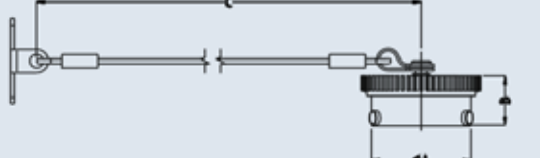

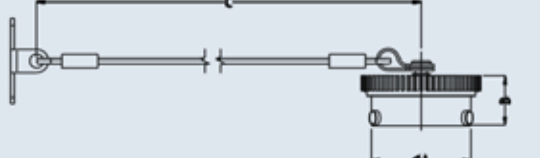

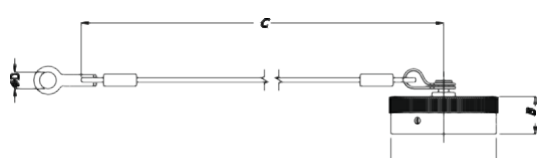

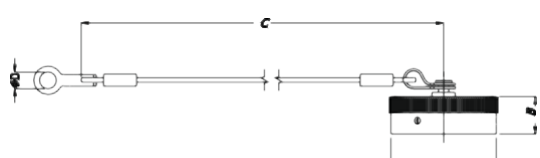

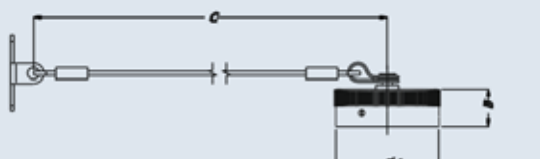

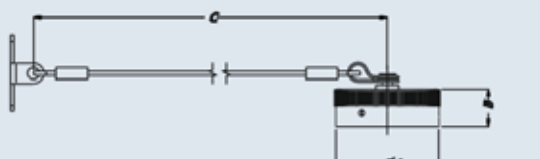
Amphenol's Multipin MP-62 series of circular connectors utilise the same design principles as the Mil-C-26482 military connectors. Featuring a three point quick mating bayonet coupling and five key polarisation ensuring a positive connection every time. Available in two contact pin layouts 39 and 61 with gold plated solder contacts fitted as standard.

Features:

- † 39 PS 61 QJOT. † & OWJSPONFOUBM SFTJTUBOU.
- † (PME QMBUFE TPMEFS DPOUBDUT. † #MBDL GJOJTI.
- † /FPQSFOF JOTFSU. † 1PTJUJWF CBZPOFU MPDLJOH
- † 1SPUFDUJWF EVTUDBQT † 1(DBCMF HMOBET
- † .FUBM IPVTJOHT

PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)			PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	PG			
	Straight cable plug with pin contacts, Black finish, Gold plated solder contacts. 	38.9 (1.53)	181.5 (7.15)	16	39	MP-6216-39P	MP-6216-39P-C
		45.5 (1.80)	193 (7.60)	21	61	MP-6216-61P	MP-6216-61P-C
	Cable connecting receptacle with socket contacts, Black finish, Gold plated solder contacts. 	36.7 (1.45)	181.5 (7.15)	16	39	MP-6211-39S	MP-6211-39S-C
		43.0 (1.70)	193 (7.60)	21	61	MP-6211-61S	MP-6211-61S-C
	Straight cable plug with pin contacts, NPT 3/4" threaded backshell, Black finish, Gold plated solder contacts. 	38.9 (1.53)	90 (3.54)	NPT 3/4"	39	MP-6516-39P	MP-6516-39P-C
		45.5 (1.80)	100 (3.94)	NPT 3/4"	61	MP-6516-61P	MP-6516-61P-C
	Cable connecting receptacle with socket contacts, NPT 3/4" threaded backshell, Black finish, Gold plated solder contacts. 	36.7 (1.45)	90 (3.54)	NPT 3/4"	39	MP-6511-39S	MP-6511-39S-C
		43.0 (1.70)	100 (3.94)	NPT 3/4"	61	MP-6511-61S	MP-6511-61S-C

PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)						PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	C	D	E	F			
	Panel plug with pin contacts, Black finish, Gold plated solder contacts. 	38.86	29.36	6-32	39.0	32	-	39	MP-6256-39P	MP-6256-39P-C
		(1.53)	(1.16)	UNC	(1.54)	(1.26)	-			
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts. 	43.94	34.93	6-32	45.5	35	-	61	MP-6256-61P	MP-6256-61P-C
		(1.73)	(1.38)	UNC	(1.80)	(1.38)	-			
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts. 	36.7	29.36	3.05	31.8	22.3	30.1	39	MP-6212-39S	MP-6212-39S-C
		(1.44)	(1.15)	(0.12)	(1.25)	(0.87)	(1.18)			
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts. 	43.0	34.93	3.74	38.1	22.3	36.4	61	MP-6212-61S	MP-6212-61S-C
		(1.69)	(1.38)	(0.15)	(1.50)	(0.87)	(1.43)			

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	Dimensions in mm (inches)				PINS	PART NUMBER
			A	B	C	D		
		Plug protective dustcap to suit MP-6256	31.7	15.9	127	4.40	39	MP-742-39S
			(1.25)	(0.62)	(4.99)	(0.17)		
		Plug protective dustcap to suit MP-6256	38.05	16.70	127	4.40	61	MP-742-61S
			(1.50)	(0.66)	(4.99)	(0.17)		
		Receptacle protective dustcap to suit MP-6216	36.9	13.13	127	-	39	MP-742-39L
			(1.45)	(0.52)	(4.99)			
		Receptacle protective dustcap to suit MP-6216	43.14	14.15	127	-	61	MP-742-61L
			(1.70)	(0.56)	(4.99)			
		Plug protective dustcap to suit MP-6212	31.7	15.9	127	4.40	39	MP-738-39S
			(1.25)	(0.62)	(4.99)	(0.17)		
		Plug protective dustcap to suit MP-6212	38.05	16.70	127	4.40	61	MP-738-61S
			(1.50)	(0.66)	(4.99)	(0.17)		
		Receptacle protective dustcap to suit MP-6211	36.9	13.13	127	-	39	MP-738-39L
			(1.45)	(0.52)	(4.99)			
		Receptacle protective dustcap to suit MP-6211	43.14	14.15	127	-	61	MP-738-61L
			(1.70)	(0.56)	(4.99)			

STANDARD DATA MP-62 SERIES / MP - 65 SERIES

		VALUE	
GENERAL CHARACTERISTICS	Number of contacts	39	61
	Number of channels	12	20
	Termination	Solder	
	Wire Gauge - Stranded Wire	37 x 24AWG-20AWG 2 x 20AWG-16AWG	24AWG-20AWG
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
ELECTRICAL CHARACTERISTICS	Operating Voltage at Sea level - DC	600V*	
	Operating Voltage at Sea level - AC	600V*	
	Test Voltage AC RMS	1500V	
	Current Carrying Capacity	37 x 7.5A 2 x 13A	7.5A
	Insulation Resistance	5000M Ω	
CLIMATIC CHARACTERISTICS	Protection Class	IP67 (when mated)	
	Operating Temperature	-55°C to +125°C (-67°F to +257°F)	
MECHANICAL CHARACTERISTICS	Cable Retention	PG Gland / NPT Thread	
	Mechanical Operations	500 mating cycles (minimum)	
MATERIALS	Connector / Shell Finish	Aluminium Alloy / Black	
	Insert	Neoprene	
	Male pin contact machined - Plating	Brass / Gold plated	
	Female socket contact machined - Plating	Brass / Gold plated	
CLAMPING CHARACTERISTICS	PG Gland	16	21
	Cable Clamping range mm (inches)	9-14 (0.35"-0.55")	13-18 (0.51"-0.70")

Rev. 2 - 02/2012

*Not suitable for domestic applications above 50V



Professional Series Audio Cables

- Heavy Duty screened cables
- Ultra Flexible
- Solid pin male XLR's as standard
- T-Series or M-Series 6.35mm plugs
- Reusable cable tie
- Distinctive Blue Packaging



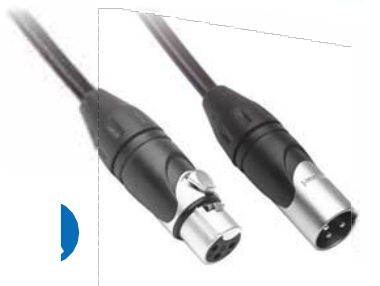
Microphone Cable - Balanced

Connectors
XLR F AC3FJ
XLR M AC3MMJ

Cable A

Nickel Finish

Length (mtrs)	Part Number
1	PR0110A001
3	PR0110A003
6	PR0110A006
9	PR0110A009
12	PR0110A012
15	PR0110A015
20	PR0110A020
30	PR0110A030



Microphone Cable - Balanced

Connectors
XLR F AX3F
XLR M AX3M

Cable A

Nickel Finish

Length (mtrs)	Part Number
1	PR0312A001
3	PR0312A003
6	PR0312A006
9	PR0312A009
12	PR0312A012
15	PR0312A015
20	PR0312A020
30	PR0312A030



Microphone Cable - Balanced

Connectors
XLR F AC3FJ
TRS 6.35mm Plug TS3PJ

Cable A

Nickel Finish

Length (mtrs)	Part Number
1	PR0124A001
3	PR0124A003
6	PR0124A006
9	PR0124A009
12	PR0124A012
15	PR0124A015
20	PR0124A020
30	PR0124A030



Microphone Cable - Balanced

Connectors
TRS 6.35mm TS3PJ
XLR M AC3MMJ

Cable A

Nickel Finish

Length (mtrs)	Part Number
1	PR1024A001
6	PR1024A006



Microphone Cable - Unbalanced

Connectors
XLR F AC3FJ
Mono 6.35mm Plug TM2PJ

Cable A

Nickel Finish

Length (mtrs)	Part Number
1	PR0120A001
3	PR0120A003
6	PR0120A006
9	PR0120A009
12	PR0120A012
15	PR0120A015
20	PR0120A020
30	PR0120A030



Instrument Cable

Connectors
Mono 6.35mm Plug ACPM-KN

Cable B

Satin Finish

Length (mtrs)	Part Number
1	PR3232B001
3	PR3232B003
6	PR3232B006
9	PR3232B009
12	PR3232B012
15	PR3232B015
20	PR3232B020

Professional Series Audio Cables

- Heavy Duty screened cables
- Ultra Flexible
- Solid pin male XLR's as standard
- T-Series or M-Series 6.35mm plugs
- Reusable cable tie
- Distinctive Blue Packaging



Instrument Cable (SwitchPlug)

Connectors
SwitchPlug 6.35mm Plug TM1PBJ
Mono 6.35mm Plug TM2PBJ

Cable B

Black Finish

Length (mtrs)	Part Number
1	PR2151B001
3	PR2151B003
6	PR2151B006
9	PR2151B009
12	PR2151B012
15	PR2151B015
20	PR2151B020
30	PR2151B030



Instrument Cable (SwitchPlug)

Connectors
SwitchPlug 6.35mm Plug TM2PBJ
Mono 6.35mm Plug TM1RBJ

Cable B

Black Finish

Length (mtrs)	Part Number
1	PR2153B001
3	PR2153B003
6	PR2153B006
9	PR2153B009
12	PR2153B012
15	PR2153B015
20	PR2153B020
30	PR2153B030



DMX Cable

Connectors
XLR 5F AC5FJ
XLR 5M AC5MJ

Cable D

Nickel Finish

Length (mtrs)	Part Number
1	PR7075D001
3	PR7075D003
5	PR7075D005
10	PR7075D010
15	PR7075D015
20	PR7075D020
30	PR7075D030



DMX Cable

Connectors
XLR 3F AC3FJ
XLR 3M AC3MMJ

Cable D

Nickel Finish

Length (mtrs)	Part Number
1	PR0110D001
3	PR0110D003
5	PR0110D005
10	PR0110D010



DMX Cable

Connectors
XLR 5F AX5F
XLR 5M AX5M

Cable D

Nickel Finish

Length (mtrs)	Part Number
1	PR7277D001
3	PR7277D003
5	PR7277D005
10	PR7277D010
15	PR7277D015
20	PR7277D020
30	PR7277D030



Speaker Cable

Connectors
SP-4 SP-4-F

Cable T

Black Finish

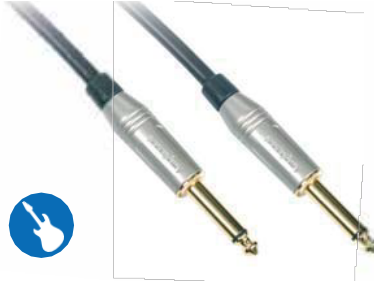
Length (mtrs)	Part Number
3	PR9191T003
6	PR9191T006
10	PR9191T010

Gold Series Audio Cables

- Gold plated contacts as standard
- Heavy duty screened cables
- Ultra flexible

- Solid pin male XLR's as standard
- T-Series or M-Series 6.35mm plugs
- Reusable cable tie

- Distinctive Gold Packaging



Instrument Cable

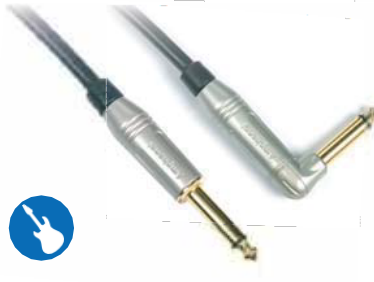
Connectors
Mono 6.35mm Plug ACPM-GN-AU

Cable B

Satin Finish

Gold Plated Contacts

Length (mtrs)	Part Number
1	GD3030B001
3	GD3030B003
6	GD3030B006
9	GD3030B009
12	GD3030B012
15	GD3030B015



Instrument Cable

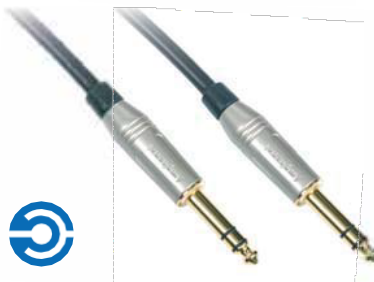
Connectors
Mono 6.35mm Plug ACPM-GN-AU
Mono 6.35mm Plug ACPM-RN-AU

Cable B

Satin Finish

Gold Plated Contacts

Length (mtrs)	Part Number
1	GD3034B001
3	GD3034B003
6	GD3034B006
9	GD3034B009
12	GD3034B012
15	GD3034B015



Patch Cable

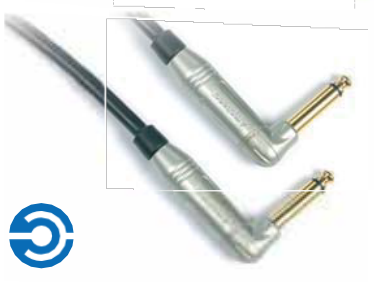
Connectors
Stereo 6.35mm Plug ACPG-GN-AU

Cable A

Satin Finish

Gold Plated Contacts

Length (mtrs)	Part Number
0.5	GD3838A0.5
1	GD3838A001
2	GD3838A002
6	GD3838A006



Patch Cable

Connectors
Mono 6.35mm Plug ACPM-RN-AU

Cable B

Satin Finish

Gold Plated Contacts

Length (mtrs)	Part Number
0.3	GD3434B0.3



Instrument Cable (SwitchPlug)

Connectors
SwitchPlug 6.35mm Plug TM1PBJ-AU
Mono 6.35mm Plug TM2PBJ-AU

Cable B

Black Finish

Gold Plated Contacts

Length (mtrs)	Part Number
1	GD2151B001
3	GD2151B003
6	GD2151B006
9	GD2151B009
12	GD2151B012



DMX Cable

Connectors
XLR 5F AX5FB-AU
XLR 5M AX5MB-AU

Cable D

Black Finish

Gold Plated Contacts

Length (mtrs)	Part Number
1	GD7378D001
3	GD7378D003
5	GD7378D005
10	GD7378D010
15	GD7378D015
20	GD7378D020

Cables



Microphone Cable

Shield	Cable (AWG)	Length (mtrs)	Part Number
Foil and Braided	22	100	CA-A-BLK-100
Braided	22	100	CA-C-BLK-100
Braided (Quad)	24	100	CA-Q-BLK-100
Spiral	20	100	MBC-20



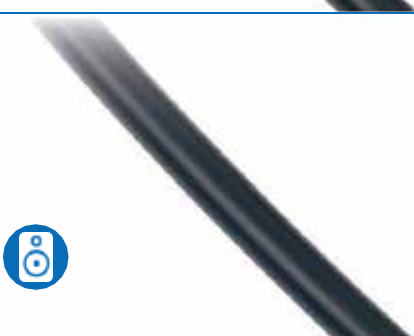
Instrument Cable

Shield	Cable (AWG)	Length (mtrs)	Part Number
Spiral	20	100	CA-B-BLK-100
Spiral	20	100	IBC-20
Spiral	24	100	MBC-24



DMX Cable

Shield	Cable (AWG)	Length (mtrs)	Part Number
Braided	24	100	CA-D-BLK-100
-	26	100	DMX-26



Speaker Cable

Shield	Cable (AWG)	Length (mtrs)	Part Number
Braided	12	100	SBC-12
Braided	12	100	SBC-12-4C

Amphe-Sound Standard Data



Microphone

Cable Code	A	C	Q	MBC-20
Number of Conductors	2	2	4	2
Colour of Conductors	Blue and White			Blue and Red
Size of Conductors AWG Stranding	22 80/0.08mm		24 60/0.08mm	20 40/0.12mm
Conductor Insulation Material	PVC		PVC	PE
Strengthening Filter	Cotton			
Shield	Foil and Spiral	Foil and Braided		Spiral
Jacket Material O.D.	PVC (Black) 6.8mm +/- 0.15mm			PVC (Black) 6.5mm +/- 0.15mm
Operating Temperature	-30°C to +70°C			
Standard Packaging	100mtr plastic spool			



Instrument

Cable Code	B	IBC-20	IBC-24
Number of Conductors	1		
Colour of Conductors	Natural		
Size of Conductors AWG Stranding	20 20/0.18mm	20 40/0.12mm	24 18/0.12mm
Conductor Insulation Material	PVC	PE	
Shield	Spiral		
Jacket Material O.D.	PVC (Black) 6.0mm +/- 0.15mm	PVC (Black) 6.5mm +/- 0.15mm	PVC (Black) 6.3mm +/- 0.15mm
Operating Temperature	-30°C to +70°C		
Standard Packaging	100mtr plastic spool		



DMX / Speaker

Cable Code	D	DMX-26	SBC-12	SBC-12-4C
Number of Conductors	4	5	2	4
Colour of Conductors	Blue/Red Orange/White	Blue/Red/Orange/White	White/Black	Red/Black/White/Blue
Size of Conductors AWG Stranding	24 7/0.2mm	26	12	12
Conductor Insulation Material	FM-PE	TPOFC	CCAM	CCAM
Shield	Foil and Braided	Braided	N/A	N/A
Jacket Material O.D.	PVC (Black) 6.9mm +/- 0.3mm	PVC (Black) 6.0mm	PVC (Black) 10.2mm	PVC (Black) 11mm
Operating Temperature	-30°C to +70°C			
Standard Packaging	100mtr plastic spool			

DISTRIBUTED BY

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