

MATERIAL:

SHELL: AL ALLOY, ANODIZE

INSERT AND RETAINING RING: THERMOPLASTIC

SEAL: SILICONE RUBBER

2. MODIFICATIONS: THREADED HOUSING;

REDUCED DIA. WIRE SEAL FOR SIZE 12 & SIZE 16;

- 3. SPECIFICATIONS:
 - 3.1 OPERATING TEMPERATURE: -55°C TO +125°C.
 - 3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
 - 3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
 - 3.4 MOISTURE RESISTANCE:

IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION); IP69K(MATED CONDITION).

- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT
- 4. MATING PART: AHDBM06-24-91S* (* = SEAL TYPE)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

<u>6</u>	CONTACT	SIZE AND	WIRE RANGE	:
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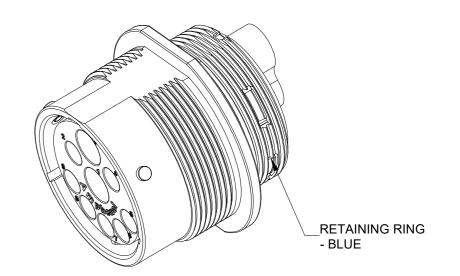
CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
8	6.50mm (.256in)	7.42mm (.292in)	6AWG (16.0-13.0mm²)	60AMPS
12	2.46mm (.097in)	4.01mm (.158in)	10-14AWG (6.0-2.0mm²)	25AMPS
16	1.35mm (.053in)	3.05mm (.120in)	14-20AWG (2.0-0.5mm²)	13AMPS

Ø43.08±0.12 41.45 +0.2 RECOMMENDED PANEL

MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM

7. MEET THE DIMENSION OF IMPLEMENT BUS BREAKAWAY CONNECTOR OF ISO 11783-2.



AHDBM04-24-91PR16 REV

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	AHDBM04	-24-91P	PR16								
QUANTITY	PART N	IUMBEF	₹	DESCRIPTION		TEM -					
			MAT	ERI	٩LS	S LI	ST				
UNLESS OTHER		SIGN	NATURES	DATE		Λ	mnh		20		
All dimensions a Tolerances are a	as follows:	DRAWN:	IAN	17/JAN/22			mph	IEI	IU	'	
1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08	Fractions ±1/64 Angles ±1°	CHECKED:	SULLEN	17/JAN/22		Sin	e Systems - www.ar	nphenol-s	sine.com		-
3) Note reference	- X	ENGINEER:			44724 Morley Drive						
MATERIAL SPECIFICA	TIONS:	APPROVAL:	TOMMY	18/JAN/22	Clinton Township, MI 48036			_			
		CUSTOMER:		·	09POS,RECEPTACLE,PIN,24SZ,RD SEAL,						
			NG IS SUPPLIED F		BREAK AWAY, DURAMATE AHDBM						
PROCESS SPECIFICA	TIONS:	SPECIFICATION SHOWN HERITHE AMPHENTOF REPRODU	ONS AND PERFORE EON ARE THE PRIOL CORPORATIO JCTION ARE IMPLARE SUBJECT TO	RMANCE DATA OPERTY OF IN. NO RIGHTS IED. ALL	B	C-	AHDBM04	-24-9	1PR16		2
NEXT ASS'Y:			RING VARIATIONS).	SCALE: N	ONE	DURAMATE	SHE	ET 1	OF	1

AT Series™ - Contact Size 16 Options

	Machined Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Туре	
AT60-215-1631	Male Contact - Pin, Gold-plated	16	14	Machined	
AT62-209-1631	Female Contact - Socket, Gold-plated	16	14	Machined	
AT60-215-16141	Male Contact - Pin, Nickel-plated	16	14	Machined	
AT62-209-16141	Female Contact - Socket, Nickel-plated	16	14	Machined	
AT60-202-1631	Male Contact - Pin, Gold-plated	16	16-20	Machined	
AT62-201-1631	Female Contact - Socket, Gold-plated	16	16-20	Machined	
AT60-202-16141	Male Contact - Pin, Nickel-plated	16	16-20	Machined	
AT62-201-16141	Female Contact - Socket, Nickel-plated	16	16-20	Machined	
AT60-202-1631-22	Male Contact - Pin, Gold-plated	16	22-24	Machined	
AT62-201-1631-22	Female Contact - Socket, Gold-plated	16	22-24	Machined	
AT60-202-16141-22	Male Contact - Pin, Nickel-plated	16	22-24	Machined	
AT62-201-16141-22	Female Contact - Socket, Nickel-plated	16	22-24	Machined	

	Tooling - Machined Contacts				
Part	Part Number	Description			
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)			
3	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)			

		Contact Removal Tools
Part	Part Number	Description
3	ATRT-100	Used for removal of contacts for A Series™ products
	AT11-310-1605	Contact Removal Tool, Plastic, Size 16
	A114017	Sealing Plug, Size 16, White

	Stamped & Formed Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type	
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-16	Stamped & Formed	
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-16	Stamped & Formed	
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-16	Stamped & Formed	
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-16	Stamped & Formed	
AT60-16-0144	Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed	
AT62-16-0144	Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed	
AT60-16-0122	Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed	
AT62-16-0122	Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed	
AT60-16-0644	Male Contact - Pin, Gold-plated	16	18-20	Stamped & Formed	
AT62-16-0644	Female Contact - Socket, Gold-plated	16	18-20	Stamped & Formed	
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	18-20	Stamped & Formed	
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	18-20	Stamped & Formed	
AT60-16-0844	Male Contact - Pin, Gold-plated	16	20-22	Stamped & Formed	
AT62-16-0844	Female Contact - Socket, Gold-plated	16	20-22	Stamped & Formed	
AT60-16-0822	Male Contact - Pin, Nickel-plated	16	20-22	Stamped & Formed	
AT62-16-0822	Female Contact - Socket, Nickel-plated	16	20-22	Stamped & Formed	

	Tooling - Stamped & Formed Contacts					
Part	Part Number	Description				
	MFX-3950	Crimp Die - Size 16, 18-20AWG (S&F contacts only)				
	MFX-3953	Crimp Die - Size 16, 16-18AWG (S&F contacts only)				
	MFX-3975	Crimp Die - Size 16, 14-16AWG (S&F contacts only)				
	MFX-3990	Crimp Die - Size 16, 20-22AWG (S&F contacts only)				
	ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG (S&F contacts only)				
	ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG (S&F contacts only)				
	ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG (S&F contacts only)				

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MagnaMate™ ATHP - DuraMate™ AHDP - DuraMate™ AHDM Series - Contact Size 12 Options

Machined Contacts, Sockets & Pins				
Part Number Description Size AWG				Type
AT60-204-12141-10	Male Contact - Pin, Nickel-plated	12	10-12	Machined
AT62-203-12141-10	Female Contact - Socket, Nickel-plated	12	10-12	Machined
AT60-220-1231	Male Contact - Pin, Gold-plated 12 12-14		Machined	
AT62-210-1231	Female Contact - Socket, Gold-plated	12	12-14	Machined
AT60-204-12141	Male Contact - Pin, Nickel-plated	12	12-14	Machined
AT62-203-12141	Female Contact - Socket, Nickel-plated	12	12-14	Machined

DiagnosticGrade™ Machined Contacts, Sockets & Pins • Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective					
Part Number Description Size AWG Type				Туре	
65-54749	Male Contact - DiagnosticGrade™, Pin, Gold-plated	12	20	Machined	
AT62-210-1231-1820	0-1231-1820 Female Contact - DiagnosticGrade™, Socket, Gold-plated		20	Machined	

Tooling - Machined Contacts			
Part	Part Number	Description	
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)	
33	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)	

Contact Removal Tools			
Part	Part Number	Description	
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12	
	A114017	Sealing Plug, Size 12, White	

Stamped & Formed Contacts, Sockets & Pins					
Part Number	Description		AWG	Туре	
AT60-12-0244	Male Contact - Pin, Gold-plated	12	10-12	Stamped & Formed	
AT62-12-0244	Female Contact - Socket, Gold-plated	12	10-12	Stamped & Formed	
AT60-12-0222	Male Contact - Pin, Nickel-plated	12	10-12	Stamped & Formed	
AT62-12-0222	Female Contact - Socket, Nickel-plated	12	10-12	Stamped & Formed	
AT60-12-0144	Male Contact - Pin, Gold-plated	12	12-14	Stamped & Formed	
AT62-12-0144	Female Contact - Socket, Gold-plated	12	12-14	Stamped & Formed	
AT60-12-0166	Male Contact - Pin, Nickel-plated	12	12-14	Stamped & Formed	
AT62-12-0166	Female Contact - Socket, Nickel-plated	12	12-14	Stamped & Formed	

Tooling - Stamped & Formed Contacts				
Part	Part Number	Description		
	MFX-3973	Crimp Die - Size 12 (S&F contacts only)		
	MFX-3985	Crimp Die - Size 12 (S&F contacts only) 10-12AWG -02XX Series		
	ATT-12-00	Hand Crimp Tool - Size 12, 12AWG (S&F contacts only)		
	ATT-12-01	Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)		

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ATHD Series™ - Contact Size 8 Options

Machined Contacts, Pins and Sockets					
Part Number	Description Size		AWG	Туре	Amps
AT60-204-08141	Male Contact - Pin, Copper Alloy, Nickel-Plated	8	8-10	Machined	60A
AT62-203-08141	Female Contact - Socket, Copper Alloy, Nickel-Plated	8	8-10	Machined	60A
AT60-204-08141-16	Male Contact - Pin, Copper Alloy, Nickel-Plated	8	6	Machined	60A
AT62-203-08141-16	Female Contact - Socket, Copper Alloy, Nickel-Plated	8	6	Machined	60A

Tooling - Machined Contacts				
Part	Part Number	Description		
	WA23	Heavy Duty Pneumatic Crimp Tool -Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961		
	WA23-2	Die Assembly -for CA-5E12 Heavy Duty Pneumatic Crimp Tool, Size 8		
•	WA23-3	Die Assembly -for CA-5E12 Heavy Duty Pneumatic Crimp Tool, Size 6		
Waging St.	WA23-10	Contact Locator, Size 6 and Size 8		
THE AND	96-978-22	Crimper and Dies -for Size 10mm ² -185mm ² Wires		

Contact Removal Tools				
Part	Part Number	Description		
	AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG		