

58.6±0.5 17.7 56.2±0.5 Ø43.5 Ø40.1 Ø42.3±0.5 M35 x 1.75 THREAD

SIZE 12 CONTACTS /7 (6 PLACES) SIZE 8 CONTACT (1 PLACE)

M5X0.8-6H 8mm(2X) DEEP THREADED INSERT

NOTES: UNLESS OTHERWISE SPECIFIED 1. MATERIAL: HOUSING: THERMOPLASTIC; BLACK

SEAL: SILICONE RUBBER

THREADED INSERT: STAINLESS STEEL

2. MODIFICATIONS: SMALL THREADED ADAPTER (STA); STANDARD DIA. WIRE SEAL;

SEALED PANEL MOUNT

## 3. SPECIFICATIONS:

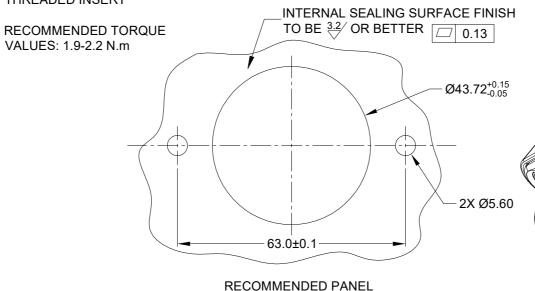
- 3.1 OPERATING TEMPERATURE: -55°C TO +125°C.
- 3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
- 3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
- 3.4 MOISTURE RESISTANCE:

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: AHDP06-24-07S\*-XXX ( \* = SEAL TYPE, XXX = ALL MODIFICATIONS) (NOT CL22 OPTION)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
- 6. RECEPTACLE IS SUPPLIED WITH DUST CAP (NOT SHOW)



SMALL THREADED ADAPTER -GREEN

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM

MOUNTING HOLE

## 7 CONTACT SIZE AND WIRE RANGE:

			TYPICALWIRE	
SIZE	O.D.	O.D.	RANGE	RATING
8	4.83 mm (.190 in)	6.10 mm (.240 in)	7-10 AWG (10.0-5.0 mm²)	80 AMPS
12	3.43 mm (.135in)	4.32 mm (.170in)	10-14 AWG (6.0-2.0mm²)	25 AMPS

8. CONDUIT ADAPTER ACCEPTS BACKSHELL (AHDPBS-24L015-005) CABLE Ø14.5 ~ Ø18.0.

		AHDP02-2	4-07PN-	STA							
	QUANTITY	PART N	PART NUMBER		DESCRIPTION			ITEM	]		
	MATER				ERI	<b>NLS</b>	S LI	ST			}
	UNLESS OTHER		SIGN	ATURES	DATE		Λ	manha			]
	All dimensions a     Tolerances are a     PL DEC ±0.30		DRAWN:	IAN	19/APR/23		$\rightarrow$	mphe			
	2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:	SULLEN	19/APR/23		Sin	e Systems - www.ampher	nol-sine.com		
	3) Note reference	<b>-</b> X	ENGINEER:			44724 Morley Drive Clinton Township, MI 48036					
	MATERIAL SPECIFICA	TIONS:	APPROVAL:	TOMMY	21/APR/23			Clinton Township, Mi 400	J30		$\frac{1}{2}$
	WEIGH	T: 74.3a	CUSTOMER:				7POS, R	ECEPT, PIN, PANELMAT		4,	
				G IS SUPPLIED F ONLY, DESIGN				NORMAL SEAL, S	IA		
5)	PROCESS SPECIFICA	TIONS:	SPECIFICATIO SHOWN HERE THE AMPHENO OF REPRODUC	NS AND PERFORM ON ARE THE PR DL CORPORATIO CTION ARE IMPL ARE SUBJECT TO	RMANCE DATA COPERTY OF ON. NO RIGHTS IED. ALL	DE DATA SIZE TYPE DWG NO: AHDP02-24-07PN-STA			A1		
	NEXT ASS'Y:			ING VARIATIONS	S.	SCALE: NONE DURAMATE SHEET 1 OF		1	]		

DWG NO:

SH:

## **A Series™** - Contact Size 8 Options (Works with: DuraMate Series - 24-07 Layout Only)

RADSOK® Machined Contacts, Pins and Sockets					
Part Number	Description	Size	AWG	Туре	Amps
SC000345	Male Contact - Pin, Copper Alloy, Silver-Plated	8	8	RADSOK® Machined	80A
SC000346	Female Contact - Socket, Copper Alloy, Silver-Plated	8	8	RADSOK® Machined	80A

	Tooling - Machined Contacts				
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				
WA23-10	Contact Locator, Size 8				
96-978-22	Crimper and Dies -for Size 10mm <sup>2</sup> -185mm <sup>2</sup> Wires				
AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG				

## **A Series™** - Contact Size 12 Options (Works with: AHD-6, ATP, ATHD, DuraMate and PanelMate Series)

	Machined Contacts, Sockets & Pins					
Part Number	Description	Size	AWG	Туре		
*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		

<sup>\*</sup>Works with ATP Series only

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

	Tooling - Machined Contacts				
Part Number	Description				
AUTK-12	Hand Crimp Tool, Size 12				
AUTK-100	Universal Heavy Duty Contact Crimping Tool Kit, Size 12/16/20				
CA-5D12	Universal Hand Crimp Tool, Size 12/16/20				
CA-5E12	Pneumatic Crimp Tool, Size 12/16/20				
M300-25A	Hand Crimp Tool used with Crimp Locator MFX-3966, Size 12, 10AWG				
MFX-3966	Contact Locator used with Hand Crimp Tool M300-25A, Size 12, 10AWG				

Cor	Contact Removal Tools (For both Machined or Stamped & Formed Contacts)					
Part Number Description						
ATRT-100	Contact and Wedgelock Extraction Tool					
AT11-337-1205	Contact Removal Tool, Plastic, Size 12					

Sealing Plugs (For both Machined or Stamped & Formed Contacts)				
Part Number Description				
A114017	Sealing Plug, Size 12, White			

	Stamped & Formed Contacts, Sockets & Pins					
Part Number	Description	Size	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 Number	Description				
MFX-3973	Crimp Die - Size 12				
MFX-3985	Crimp Die - Svize 12, 10-12AWG -02XX Series				
ATT-12-00	Hand Crimp Tool - Size 12, 12AWG				
ATT-12-01	Hand Crimp Tool - Size 12, 10AWG				