

 REVISIONS

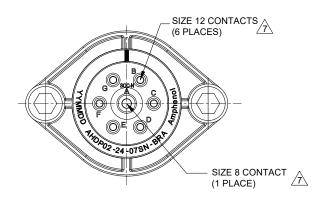
 REV
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 DESCRIPTION
 DATE
 BY
 APPR

 A1
 RELEASE NEW DRAWING
 20/APR/22
 MILO
 TOMMY

7POS, RECEPT, SOCKET, PANELMATE AHDP SIZE 24, NORMAL SEAL, BRA

DWG NO:

AHDP02-24-07SN-BRA REV



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: THERMOPLASTIC; BLACK

SEAL: SILICONE RUBBER

THREADED INSERT: STAINLESS STEEL

2. MODIFICATIONS: BACKSHELL RING ADAPTER (BRA); STANDARD DIA. WIRE SEAL; SEALED PANEL MOUNT

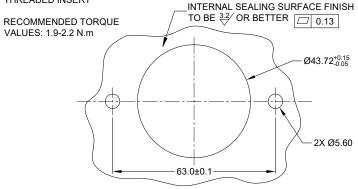
3. SPECIFICATIONS:

- 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: AHDP06-24-07P* (* = SEAL TYPE)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
- 6. RECEPTACLE IS SUPPLIED WITH DUST CAP (NOT SHOW)



RECOMMENDED PANEL MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM

7 CONTACT SIZE AND WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICALWIRE RANGE	CURRENT RATING
8	4.83 mm (.190 in)	6.10 mm (.240 in)	7-10 AWG (10.0-5.0 mm²)	OO AMDO
12	3.40 mm (.134in)	4.32 mm (.170in)	10-14 AWG (6.0-2.0mm²)	25 AMPS

AHDP02-24-07SN-BRA
PART NI IMBER
DESCRIPTION

BACKSHELL RING ADAPTER

-GREEN

QUANTITY PART NUMBER			DESCRIPTION					ITEM			
		ı	MAT	ERI	ALS	3 LI	ST				
UNLESS OTHER		SIGNATURES DAT		DATE				ha	_	\overline{a}	
All dimensions a Tolerances are a PL DEC ±0.30	s follows:	DRAWN:	MILO	ES DATE Amph) I IE	enoi			
1 PL DEC ±0.30 Fractions ±1/64 2 PL DEC ±0.15 Angles ±1*		CHECKED:	SULLEN	21/APR/22	Sine Systems - www.amphenol-sine.com				e.com		
3) Note reference = X		ENGINEER:			44724 Morley Drive						
MATERIAI SPECIFICA	TIONS:	APPROVAL:	TOMMY	22/APR/22	Clinton Township, MI 48036						
WEIGH		CUSTOMER:	C IS SUBBUIED E	OB	7P	OS, REC	EPT, SOCKE	ET, PANELM IAL SEAL. B		HDP SIZE	E 24,
PROCESS SPECIFICATIONS:		INFORMATION SPECIFICATIO SHOWN HERE THE AMPHENO OF REPRODU	RAWING IS SUPPLIED FOR WATION ONLY. DESIGN FEATURES, FICATIONS AND PERFORMANCE DATA IN HEREON ARE THE PROPERTY OF MPHENOL CORPORATION. NO RIGHTS PRODUCTION ARE IMPLIED. ALL			C-	DWG NO:	02-24-0		-BRA	A1
NEXT ASSY: DIMENSIONS ARE SUBJECT TO NORM MANUFACTURING VARIATIONS.				S.	SCALE: N	IONE	DURA	MATE	SHEET	1 0	f 1

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 10mm²-185mm² 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		

^{*}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	AUTK-100 Universal Heavy Duty Contact Crimping Tool Kit, Size 12/16/20						
CA-5D12	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	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	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					