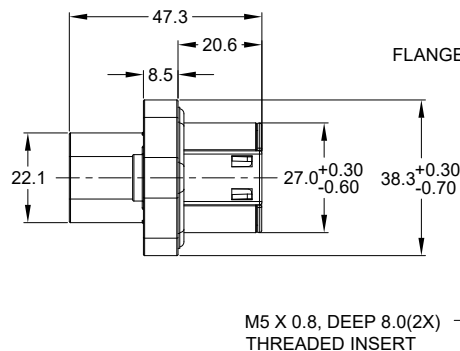


NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:**  
HOUSING: THERMOPLASTIC; COLOR: SEE PART NUMBER CHART  
INSERT: THERMOPLASTIC; COLOR: SEE PART NUMBER CHART  
END CAP: THERMOPLASTIC; COLOR: BLACK  
STRAIN RELIEF: THERMOPLASTIC; COLOR: BLACK  
SEAL: SILICONE RUBBER; COLOR: RED FOR STANDARD, YELLOW FOR REDUCED DIA.  
FLANGE GASKET: SILICONE RUBBER; COLOR: RED
- MODIFICATIONS:** FLANGE, END CAP (OPT), REDUCED DIAMETER WIRE SEAL (OPT), STRAIN RELIEF (OPT)
- SPECIFICATIONS:**
  - CURRENT RATING: 25 AMPS
  - OPERATING TEMPERATURE: -55°C TO +125°C
  - DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
  - MOISTURE RESISTANCE: IP68 (1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION)
  - MATING CYCLE DURABILITY: 100 CYCLES
  - RoHS COMPLIANT
- MATING PART:** ATP06-6S\* PLUG.  
(\* = MODIFICATIONS AND COLORS)



M5 X 0.8, DEEP 8.0(2X) THREADED INSERT

RECOMMENDED TORQUE VALUES: 1.9~2.2N.M

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6. CONTACT SIZE AND REAR SEAL WIRE RANGE:

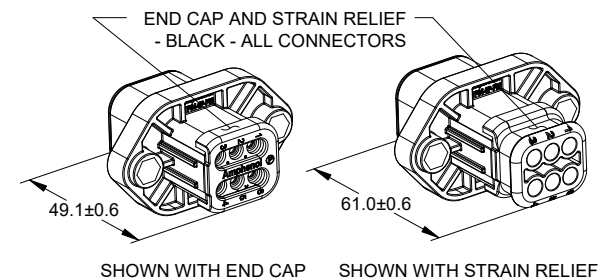
STANDARD SEAL:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
12	3.40 mm (.134 in)	4.95 mm (.195 in)	10 - 14 AWG (5.0-2.0mm <sup>2</sup> )

REDUCED DIAMETER SEAL:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
12	2.46 mm (.097 in)	4.01 mm (.158 in)	12 - 14 AWG (3.0-2.0mm <sup>2</sup> )

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	04JAN21	LOUIE	TOMMY
A2	-	UPDATE DRAWING	10MAY21	SULLEN	TOMMY



PART NUMBER CHART			
PART NUMBER	HOUSING AND INSERT COLOR	STRAIN RELIEF AND END CAP COLOR	
ATP04-6P-PM0x	GREY	BLACK	
ATP04-6P-PM0xBK	BLACK	BLACK	

MODIFICATIONS				
PART NUMBER	SEAL	END CAP	STRAIN RELIEF	WEIGHT (GRAMS)
ATP04-6P-PM05XX	STANDARD	NO	NO	37.2
ATP04-6P-PM06XX	REDUCED DIA.	NO	NO	37.2
ATP04-6P-PM05ECXX	STANDARD	YES	NO	39.6
ATP04-6P-PM06ECXX	REDUCED DIA.	YES	NO	39.6
ATP04-6P-PM05SRXX	STANDARD	NO	YES	45.8
ATP04-6P-PM06SRXX	REDUCED DIA.	NO	YES	45.8



ATP04-6P-PM0xxX		DESCRIPTION		ITEM
PART NUMBER				
QUANTITY	MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE
1) All dimensions are in metric (mm).		DRAWN:	SULLEN,ZHANG	10MAY21
2) Tolerances are as follows:		CHECKED:	ORION,LI	11MAY21
1 PL DEC ±0.30		ENGINEER:		
2 PL DEC ±0.15		APPROVAL:	TOMMY.XIE	12MAY21
3 PL DEC ±0.08		CUSTOMER:		
3) Note reference =		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.		
MATERIAL SPECIFICATIONS:				
PROCESS SPECIFICATIONS:				
NEXT ASSY:				
		SIZE	TYPE	DWG NO.
		B	C-	ATP04-6P-PM0xxX
		SCALE:	NONE	
		SHEET	1	OF 1
		REVISION	A2	




TITLE: 6POS RECEPTACLE, PIN, ATP SERIES, W/ FLANGE, GASKET, THREADED INSERT  
DWG NO: ATP04-6P-PM0xXX  
REV: A2  
SH: 1  
OF: 1

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

Contact Removal Tools		
Part	Part Number	Description
	ATRT-100	Used for removal of contacts for A Series™ products
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12
	A114017	Sealing Plug, Size 12, White

Stamped & Formed Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
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
	MX-3973	Crimp Die - Size 12 (S&F contacts only)
	MX-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)

**Amphenol Sine Systems**  
 44724 Morley Drive  
 Clinton Township, MI 48036 USA  
[www.amphenol-sine.com](http://www.amphenol-sine.com)  
 09/2021