

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
01	-	PRELIMINARY DRAWING	24/SEP/19	PETER	TOMMY

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER
- MODIFICATIONS: REDUCED DIAMETER WIRE SEAL
- SPECIFICATIONS:
3.1 CURRENT RATING: 25 AMPS
3.2 OPERATING TEMPERATURE: -55°C TO +125°C
3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
3.5 MOISTURE RESISTANCE: IP67 (MATED CONDITION)
3.6 MATING CYCLE DURABILITY: 100 CYCLES
3.7 RoHS COMPLIANT
- MATING PART: ATP04-6P* RECEPTACLE.
(* = MODIFICATIONS AND COLORS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

△ CONTACT SIZE AND REAR SEAL WIRE RANGE:

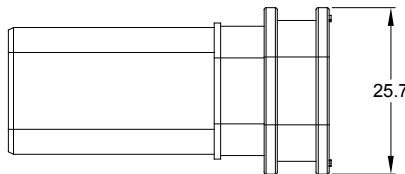
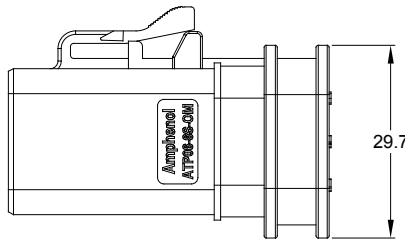
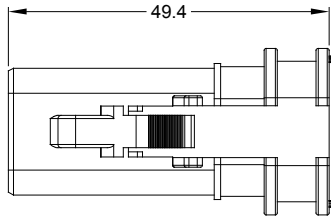
STANDARD SEAL

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 (6.0-2.0mm ²)

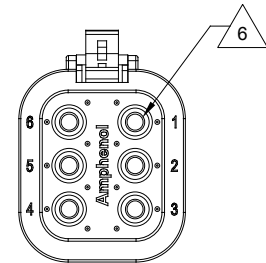
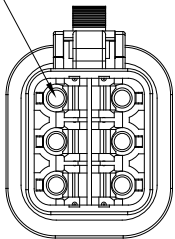
REDUCED DIAMETER SEAL

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 ²)

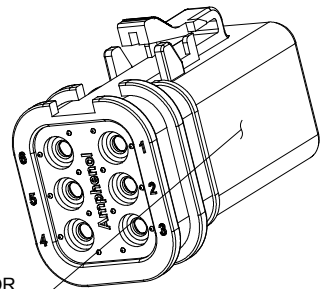
PART NUMBER CHART		
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL
GREY	ATP06-6S-OMGRY	ATP06-6S-OMRDGRY
BLACK	ATP06-6S-OMBLK	ATP06-6S-OMRDBLK
BLUE	ATP06-6S-OMBLU	ATP06-6S-OMRDBLU
BROWN	ATP06-6S-OMBRN	ATP06-6S-OMRDBRN
GREEN	ATP06-6S-OMGRN	ATP06-6S-OMRDGRN
RED	ATP06-6S-OMRED	ATP06-6S-OMRDRED
WHITE	ATP06-6S-OMWHT	ATP06-6S-OMRDWHT
YELLOW	ATP06-6S-OMYEL	ATP06-6S-OMRDYEL



REQUIRES CONTACT RETENTION WEDGE AWP-6S



REFER TO PART NUMBER CHART FOR AVAILABLE CONNECTOR COLORS



SEE PART NUMBER CHART				DESCRIPTION		ITEM	
PART NUMBER							
QUANTITY		MATERIALS LIST					
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 STRUCTURE+, OVERMOLD-COMPATIBLE PLUG, 6 SOCKET, ATP SERIES	
1) All dimensions are in metric(mm).		DRAWN: PETER.YANG		24/SEP/19			
2) Tolerances are as follows:		CHECKED: ORION.LI		24/SEP/19			
1 PL DEC ±0.30 Fractions ±1/64		ENGINEER:					
2 PL DEC ±0.15 Angles ±1°		APPROVAL: TOMMY.XIE		24/SEP/19			
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.		SIZE		TYPE	
MATERIAL SPECIFICATIONS:				DWG NO:		REVISION	
PROCESS SPECIFICATIONS:				B C-		ATP06-6S-OMXXX 01	
NEXT ASSY:				SCALE: NONE		SHEET 1 OF 1	

Mouser Electronics

Authorized Distributor

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[ATP06-6S-OMYEL](#)