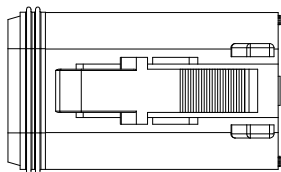
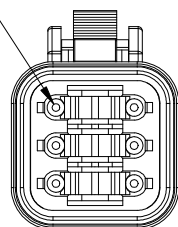


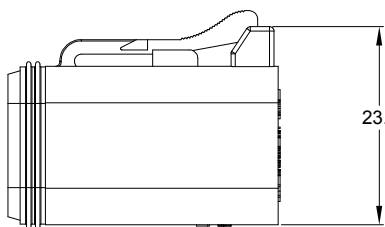
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A3	-	RELEASE NEW DWG FORMAT	19NOV13	DRP	
A4	C0540S	UPDATE DIMENSIONS	29JUN16	JONY	TOMMY
A5	-	ADD COLOR OPTION	23NOV20	LOUIE	TOMMY

TITLE: PLUG, 6 SOCKET, AT SERIES, REDUCED DIA. WIRE SEAL
DWG NO.: AT06-6S-RD01XXX
REV: A5
SH: 1
OF: 1

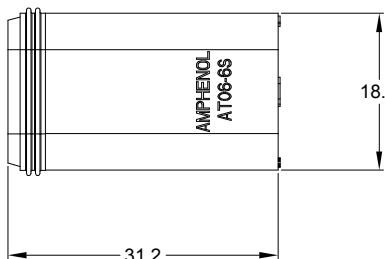
REQUIRES CONTACT
RETENTION WEDGE AW6S



23.1

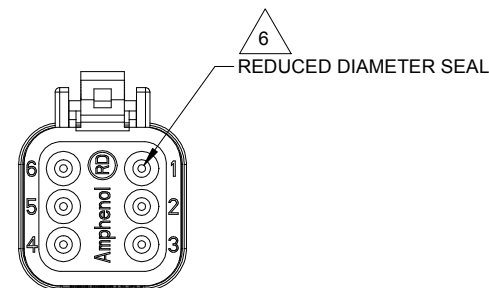


18.3

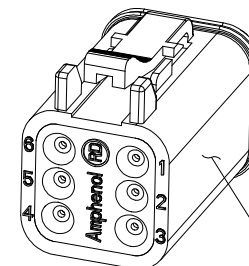


PART NUMBER CHART

COLOR	PART NUMBER
GREY	AT06-6S-RD01
BLACK	AT06-6S-RD01BLK
BLUE	AT06-6S-RD01BLU
BROWN	AT06-6S-RD01BRN
GREEN	AT06-6S-RD01GRN
RED	AT06-6S-RD01RED
WHITE	AT06-6S-RD01WHT
YELLOW	AT06-6S-RD01YEL
ORANGE	AT06-6S-RD01ORG



REDUCED DIAMETER SEAL



STANDARD MOLDED COLOR IS GREY.
ADDITIONAL COLORS SHOWN IN PART NUMBER
CHART ARE AVAILABLE VIA SPECIAL ORDER.

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER
- MODIFICATIONS: REDUCED DIAMETER WIRE SEAL
- SPECIFICATIONS:
 - 3.1 CURRENT RATING: 13 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:
IP68(1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION)
IP69K(MATED CONDITION)
 - 3.6 MATING CYCLE DURABILITY: 100 CYCLES
 - 3.7 RoHS COMPLIANT

- MATING PART: AT04-6P* RECEPTACLE
(* = MODIFICATIONS AND COLORS)

- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14 - 20 AWG (2.0-0.5mm ²)

SEE PART NUMBER CHART		REF: DT06-6S-C015, DT06-6S-CE02, DT06-6S-CE06			
PART NUMBER		DESCRIPTION			
QUANTITY	ITEM				
MATERIALS LIST					
UNLESS OTHERWISE SPECIFIED		SIGNATURES			
1) All dimensions are in metric(mm).		DATE			
2) Tolerances are as follows:		LOUIE			
1 PL DEC ±0.30		23NOV20			
2 PL DEC ±0.15		ORION			
3 PL DEC ±0.08		25NOV20			
3) Note reference =		ENGINEER:			
		APPROVAL: TOMMY			
		27NOV20			
MATERIAL SPECIFICATIONS:		CUSTOMER:			
PROCESS SPECIFICATIONS:		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.			
NEXT ASSY:		SCALE: NONE			
		SHEET 1 OF 1			

Amphenol

Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

PLUG, 6 SOCKET, AT SERIES,
REDUCED DIAMETER WIRE SEAL

SIZE	TYPE	DWG NO.	REVISION
B	C-	AT06-6S-RD01XXX	A5

A Series™ - Contact Size 16 Options (Works with: AT, ATV, AHD-9, ARC, DuraMate and PanelMate Series)

Machined Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
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 Number	Description
AUTK-16	Hand Crimp Tool, Size 16
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

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)	
Part Number	Description
ATRT-100	Contact and Wedgelock Extraction Tool
AT11-310-1605	Contact Removal Tool, Plastic, Size 16

Sealing Plugs (For both Machined or Stamped & Formed Contacts)	
Part Number	Description
A114017	Sealing Plug, Size 16, White
A114017-SR	Sealing Plug, Size 16, SR01 Series, Black
AT13-217-1605	Locking Sealing Plug, Size 16, Grey
AT13-217-1605-SR	Locking Sealing Plug, Size 16, SR01 Series, Red

Stamped & Formed Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-18	Stamped & Formed
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-18	Stamped & Formed
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-18	Stamped & Formed
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-18	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
AT60-16-0144	Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed
AT62-16-0144	Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	16-20	Stamped & Formed
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	16-20	Stamped & Formed
AT60-16-0644	Male Contact - Pin, Gold-plated	16	16-20	Stamped & Formed
AT62-16-0644	Female Contact - Socket, Gold-plated	16	16-20	Stamped & Formed
AT60-16-0677	Male Contact - Pin, Tin-plated	16	16-20	Stamped & Formed
AT62-16-0677	Female Contact - Socket, Tin-plated	16	16-20	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
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

Tooling - Stamped & Formed Contacts	
MF3-3950	Crimp Die - Size 16, 18-20AWG
MF3-3953	Crimp Die - Size 16, 16-18AWG
MF3-3975	Crimp Die - Size 16, 14-16AWG
MF3-3990	Crimp Die - Size 16, 20-22AWG
ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG
ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG
ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG