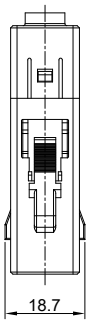
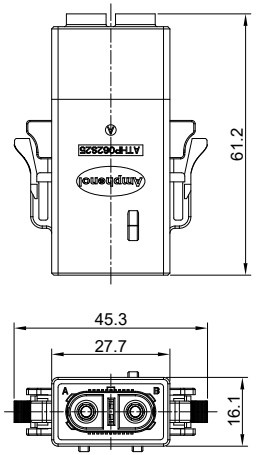
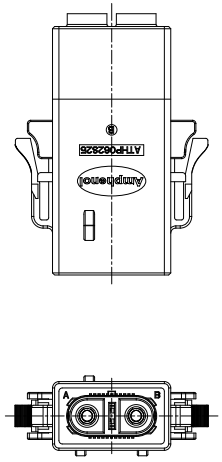
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	May.22,17	Regan	Tommy
A2	-	MODIFY THE CURRENT RATING	Jul.10,17	White	Tommy
A3	-	ADD BLACK SPECIFICATION	Jan-10-20	Blink	Tommy

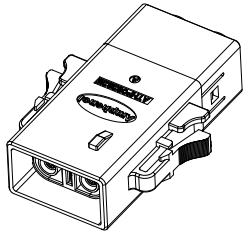


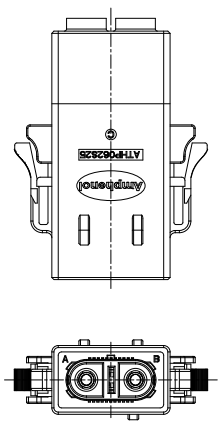


A Key

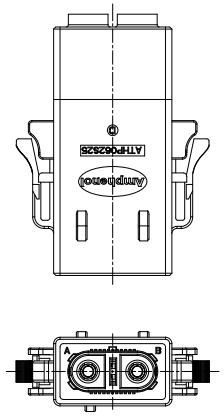


B Key





C Key



D Key

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   - 1.1 HOUSING: THERMOPLASTIC UL 94V0
   - 1.2 SEAL: SILICONE RUBBER
   - 1.3 POWER CONTACT: COPPER ALLOY, Tin PLATED
   - 1.4 SHIELDING: COPPER ALLOY, NICKLE PLATED
2. SPECIFICATIONS:
   - 2.1 CURRENT RATING: 6.0mm2 (MS10B23XX) @35 AMPS
     4.0mm² (SS12A1XX-10) @25 AMPS
     2.5mm² (SS12A1XX) @20 AMPS
     "XX" DENOTES DIFFERENT PLATING.
   - 2.2 VOLTAGE RATING: 1000 V AC/DC
   - 2.3 OPERATING TEMPERATURE: -40℃ TO +130℃
   - 2.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 3000 VOLTS AC.
   - 2.5 INSULATION RESISTANCE: 500 MEGOHMS MIN@25°C.
   - 2.6 DEGREE OF PROTECTION: IP67 (MATED CONDITION)
   - 2.7 MATING CYCLE DURABILITY: 100 CYCLES
   - 2.8 RoHS COMPLIANT
3. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

PART NUMBER		Key type	Cable OD Range
The orange shell	The black shell		
ATHP062S25EL-S1	ATHP062S25EL-S1-BLK	A Key	6.5~7.5 mm
ATHP062S25ELB-S1	ATHP062S25ELB-S1-BLK	B Key	
ATHP062S25ELC-S1	ATHP062S25ELC-S1-BLK	C Key	
ATHP062S25ELD-S1	ATHP062S25ELD-S1-BLK	D Key	
ATHP062S25EL-S2	ATHP062S25EL-S2-BLK	A Key	4.8~5.8 mm
ATHP062S25ELB-S2	ATHP062S25ELB-S2-BLK	B Key	
ATHP062S25ELC-S2	ATHP062S25ELC-S2-BLK	C Key	
ATHP062S25ELD-S2	ATHP062S25ELD-S2-BLK	D Key	

	PART NUMBER	DESCRIPTION	ITEM
QUANTITY	MATERIALS LIST		

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

SIGNATURES		DATE
DRAWN:	Blink	Jan-10-20
CHECKED:		
ENGINEER:		
APPROVAL:	Tommy	Jan-10-20
CUSTOMER:		

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

ATHP, PLUG,2 PIN,
HVIL WITH EMC SHIELDING

SIZE	TYPE	DWG NO:	REVISION
B	C-	ATHP062S25EL*-Sx-xx	A3

SCALE: NONE SHEET 1 OF 1

TITLE: ATHP, PLUG,2 PIN,HVIL WITH EMC SHIELDING
DWG NO: ATHP062S25EL*-Sx-xx
REV: A3
SH: 1
OF: 1

MagnaMate™ ATHP Mini - Contact Options

Crimp Contacts, Machined					
Part Number		AWG	Wire Range (mm^2)	Use with Endcap	Plating
Male	Female				
MP10B23T	MS10B23T	12-10	3.0-6.0	Yes	Tin
MP10B23S	MS10B23S	12-10	3.0-6.0	Yes	Silver
MP10B23F	MS10B23F	12-10	3.0-6.0	Yes	Gold Flash
MP10B23G5	MS10B23G5	12-10	3.0-6.0	Yes	Gold 5µ"
MP10B23G10	MS10B23G10	12-10	3.0-6.0	Yes	Gold 10µ"
MP10B23G15	MS10B23G15	12-10	3.0-6.0	Yes	Gold 15µ"
MS10B23G30	MS10B23G30	12-10	3.0-6.0	Yes	Gold 30µ"

Tooling, Machined	
Part Number	Description
QXRT08	Contact Extraction Tool, #8 (Ø 3.6) Contact
M300BT	Hand Crimper
WA27-300BT-EP	Pneumatic Crimper
TP968	Locator M3200BT and WA27-300BT-EP for Pneumatic Crimper

Plating Options, All	
Symbol	Plating
T	Tin Plated (for Stamped & Formed Contacts)
S	Silver Plated 5Um (for Machined Contacts)
F	Gold Plated
G5	Gold Plated (Thickness 5µ")
G10	Gold Plated (Thickness 10µ")
G15	Gold Plated (Thickness 15µ")
G30	Gold Plated (Thickness 30µ")

Stamped & Formed, Crimp Contacts (14-12AWG)				
Part Number		Size	Wire Range (mm^2)	Plating
Male	Female			
SP12A1T	SS12A1T	2.5mm	2.5-3.5	Tin

Stamped & Formed, Crimp Contacts (4mm^2)				
Part Number		Size	Wire Range (mm^2)	Plating
Male	Female			
SP12A1T-10	SS12A1T-10	4.0mm	4mm^2	Tin

Tooling, Stamped & Formed	
Part Number	Description
MFX-3962	Hand Tool, Stamped & Formed Contact, 2.5mm Contact

Amphenol Sine Systems
44724 Morley Drive
Clinton Township, MI 48036 USA
www.amphenol-sine.com
04/2022