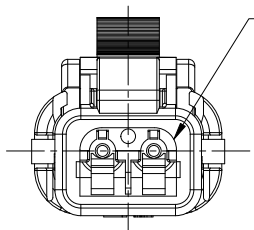
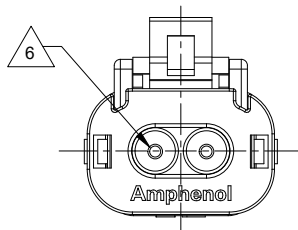
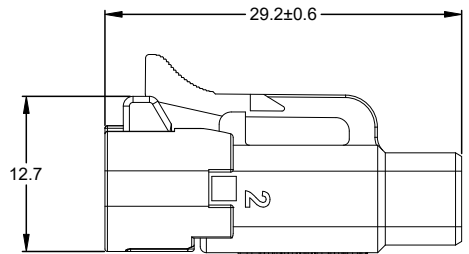
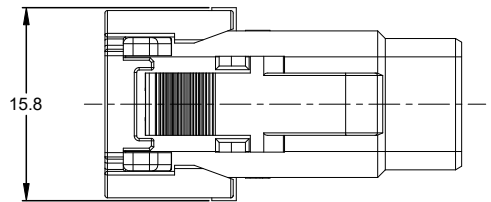
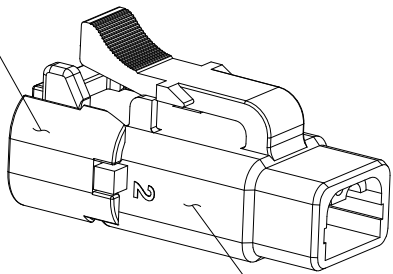


| REVISIONS |     |                                     |           |     |       |
|-----------|-----|-------------------------------------|-----------|-----|-------|
| REV       | ECO | DESCRIPTION                         | DATE      | BY  | APPR  |
| A1        |     | RELEASE DRAWING                     | 17/AUG/22 | IAN | TOMMY |
| A2        |     | ADDED COLORS BLU-ORG TO COLOR CHART | 31JUL2023 | JAH | DH    |



REQUIRES CONTACT  
RETENTION WEDGE AWM-2S

END CAP - BLACK -  
ALL CONNECTORS



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

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC; COLOR: SEE PART NUMBER CHART  
END CAP: THERMOPLASTIC; COLOR: BLACK  
SEAL: SILICONE RUBBER; COLOR: RED
- MODIFICATIONS: SNAP FIT END CAP
- SPECIFICATIONS:  
3.1 CURRENT RATING: 7.5 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: ATM04-2P\* RECEPTACLE  
(\* = MODIFICATIONS AND COLORS )

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

| CONTACT<br>SIZE | MIN. INSUL<br>O.D.   | MAX. INSUL<br>O.D.   | TYPICAL<br>WIRE RANGE                        |
|-----------------|----------------------|----------------------|----------------------------------------------|
| 20              | 1.35 mm<br>(.053 in) | 3.05 mm<br>(.120 in) | 16 - 22 AWG<br>(1.5 - 0.35 mm <sup>2</sup> ) |

| PART NUMBER CHART |                  |
|-------------------|------------------|
| COLOR             | PART NUMBER      |
| GREY              | ATM06-2S-SF01    |
| BLACK             | ATM06-2S-SF01BLK |
| BLUE              | ATM06-2S-SF01BLU |
| BROWN             | ATM06-2S-SF01BRN |
| GREEN             | ATM06-2S-SF01GRN |
| RED               | ATM06-2S-SF01RED |
| WHITE             | ATM06-2S-SF01WHT |
| YELLOW            | ATM06-2S-SF01YEL |
| ORANGE            | ATM06-2S-SF01ORG |

|                                                                                                                                                                                                                                                                                                   |             |                                                                                                                 |                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| SEE PART NUMBER CHART                                                                                                                                                                                                                                                                             |             |                                                                                                                 |                                             |
| QUANTITY                                                                                                                                                                                                                                                                                          | PART NUMBER | DESCRIPTION                                                                                                     | ITEM                                        |
| MATERIALS LIST                                                                                                                                                                                                                                                                                    |             |                                                                                                                 |                                             |
| UNLESS OTHERWISE SPECIFIED<br>1) All dimensions are in metric(mm).<br>2) Tolerances are as follows:<br>1 PL DEC ±0.30 Fractions ±1/64<br>2 PL DEC ±0.15 Angles ±1°<br>3 PL DEC ±0.08<br>3) Note reference =  |             | SIGNATURES<br>DRAWN: IAN.XIAO<br>CHECKED: SULLEN.ZHANG<br>ENGINEER:<br>APPROVAL: TOMMY.XIE<br>CUSTOMER:         | DATE<br>17/AUG/22<br>18/AUG/22<br>19/AUG/22 |
| MATERIAL SPECIFICATIONS:<br><br>WEIGHT:3.5g                                                                                                                                                                                                                                                       |             | <b>Amphenol</b><br><br>Sine Systems - www.amphenol-sine.com<br>44724 Morley Drive<br>Clinton Township, MI 48036 |                                             |
| PROCESS SPECIFICATIONS:<br><br>NEXT ASSY:                                                                                                                                                                                                                                                         |             | 2 POS, PLUG, SOCKET, ATM SERIES,<br>SNAP FIT                                                                    |                                             |
| THIS DRAWING IS SUPPLIED FOR<br>INFORMATION ONLY. DESIGN FEATURES,<br>SPECIFICATIONS AND PERFORMANCE DATA<br>SHOWN HEREON ARE THE PROPERTY OF<br>THE AMPHENOL CORPORATION. NO RIGHTS<br>OF REPRODUCTION ARE IMPLIED. ALL<br>DIMENSIONS ARE SUBJECT TO NORMAL<br>MANUFACTURING VARIATIONS.         |             | SIZE<br>B C-                                                                                                    | DWG NO.<br>ATM06-2S-SF01XXX                 |
|                                                                                                                                                                                                                                                                                                   |             | SCALE<br>NONE                                                                                                   | REVISION<br>A2                              |
|                                                                                                                                                                                                                                                                                                   |             | SHEET 1                                                                                                         | OF 1                                        |