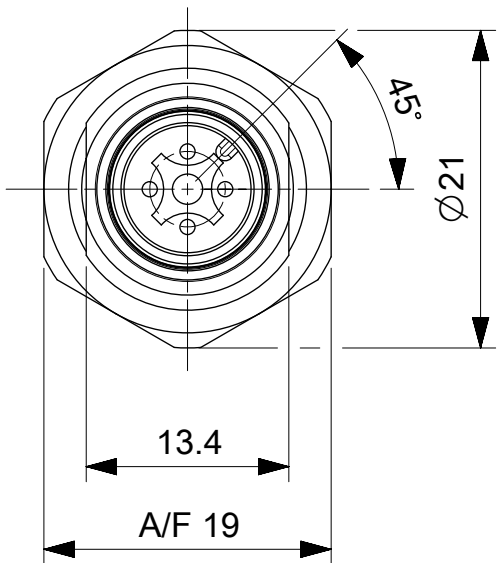
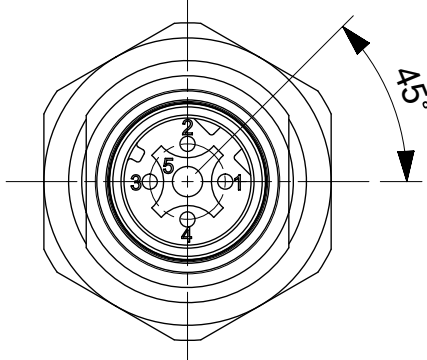


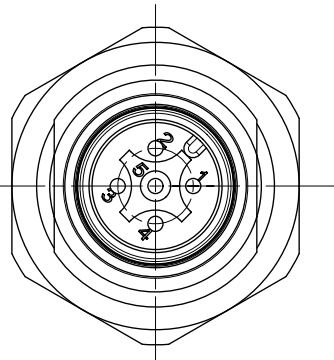
4 POLE AC



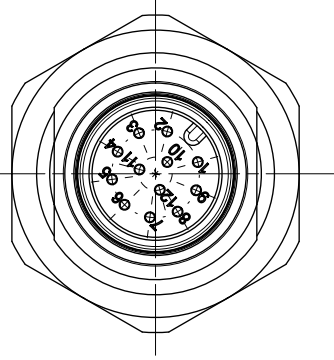
4 POLE DC



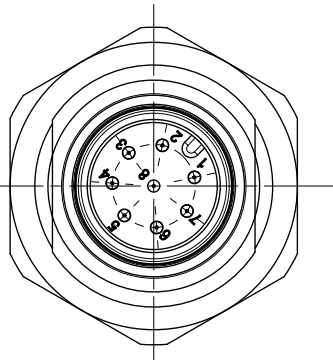
5 POLE AC  
(FOR MISSING  
DIMS SEE 4P.)



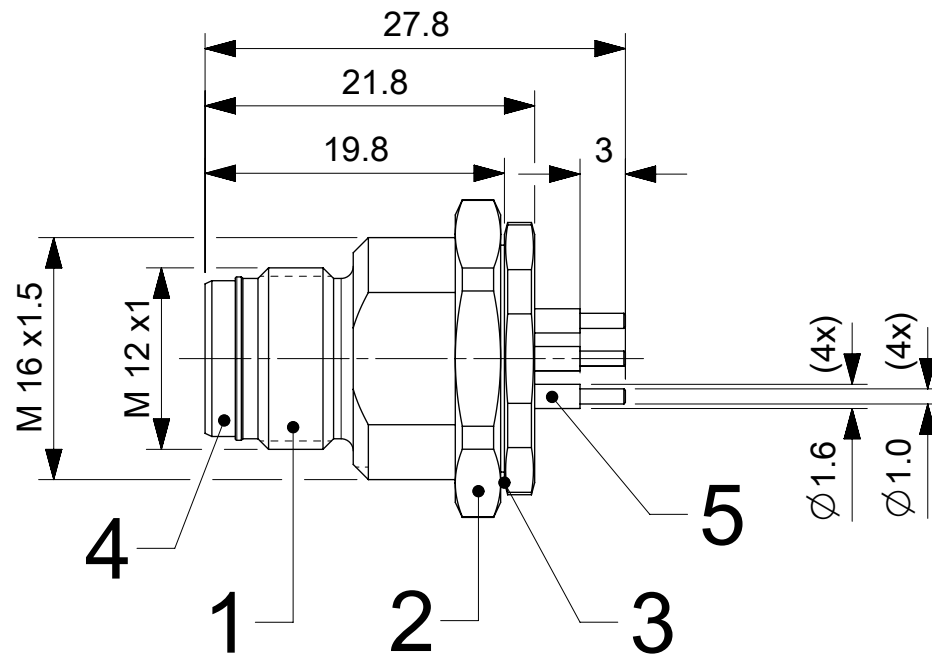
12 POLE AC  
(FOR MISSING  
DIMS SEE 4P.)



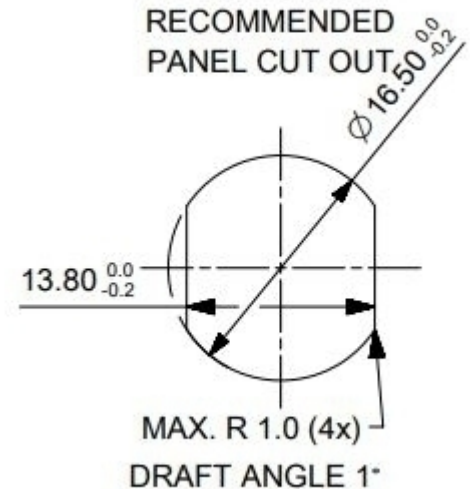
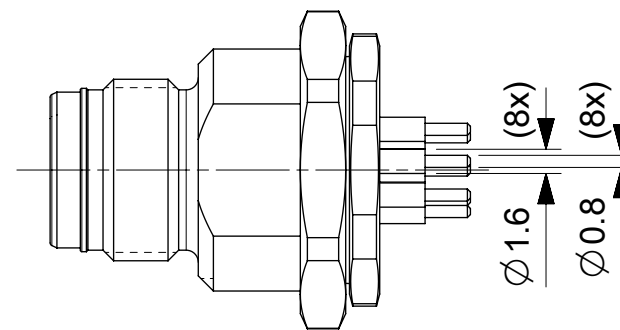
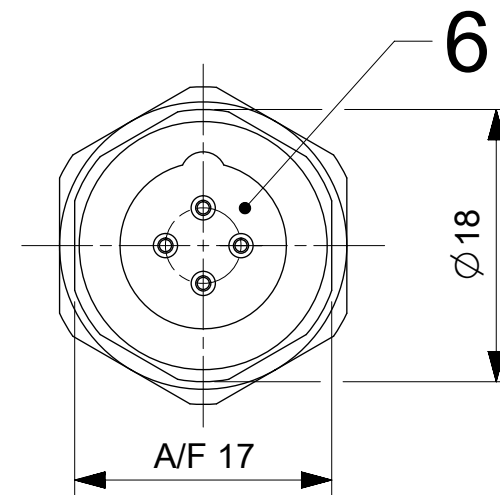
8 POLE AC  
(FOR MISSING  
DIMS SEE 4P.)



4POLE SHOWN



4POLE SHOWN



|                    |                                                                                                                                               |  |        |  |                                                                                                                                                                                           |  |                |                                                                |        |          |  |          |                          |          |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|----------------------------------------------------------------|--------|----------|--|----------|--------------------------|----------|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |  |                                                                                                                                                                                           |  |                |                                                                |        |          |  |          |                          |          |
|                    | DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: CHANGED MIN. TEMP. IN TABLE                                                                                                                                             |  |                | <div>molex</div> <div>REC U12 XP XC MA M16 BM SOL BRA AU</div> |        |          |  |          |                          |          |
|                    | mm                                                                                                                                            |  | 2:1    |  |                                                                                                                                                                                           |  |                |                                                                |        |          |  |          |                          |          |
|                    | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |  | EC NO: 736602<br>DRWN: RSCHIEBER 2023/01/30<br>CHK'D: RSILLER 2023/01/31<br>APPR: RSILLER 2023/01/31<br><br>INITIAL REVISION:<br>DRWN: JELIZAINCIN 2021/11/29<br>APPR: RSILLER 2022/07/14 |  |                |                                                                |        |          |  |          | PRODUCT CUSTOMER DRAWING |          |
|                    | ANGULAR TOL ± 1.0 °                                                                                                                           |  |        |  |                                                                                                                                                                                           |  |                |                                                                |        |          |  |          |                          |          |
|                    | 4 PLACES                                                                                                                                      |  | ±      |  |                                                                                                                                                                                           |  |                | DOCUMENT NUMBER                                                |        | DOC TYPE |  | DOC PART |                          | REVISION |
|                    | 3 PLACES                                                                                                                                      |  | ±      |  |                                                                                                                                                                                           |  |                | 1204040054                                                     |        | PSD      |  | 000      |                          | A2       |
|                    | 2 PLACES                                                                                                                                      |  | ± 0.05 |  |                                                                                                                                                                                           |  |                | MATERIAL NUMBER                                                |        | CUSTOMER |  |          | SHEET NUMBER             |          |
|                    | 1 PLACE                                                                                                                                       |  | ± 0.3  |  | SEE PART LIST                                                                                                                                                                             |  | GENERAL MARKET |                                                                |        | 1 OF 2   |  |          |                          |          |
|                    | 0 PLACES                                                                                                                                      |  | ± 0.5  |  |                                                                                                                                                                                           |  |                |                                                                |        |          |  |          |                          |          |
| DIVISIONAL SYMBOLS | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  |        |  | THIRD ANGLE PROJECTION                                                                                                                                                                    |  | DRAWING        |                                                                | SERIES |          |  |          |                          |          |
|                    |                                                                                                                                               |  |        |  |                                                                                                                                                                                           |  | A3-SIZE        |                                                                | 120404 |          |  |          |                          |          |

|                          |     |                                          |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
|--------------------------|-----|------------------------------------------|--------------|---|------------|----------|--------------|---|--|-------------------------------------------------------------------|--|----------------------------------------------------------|----------|----------|----------|----------|--|---|--|--|
| 10                       |     | 9                                        |              | 8 |            | 7        |              | 6 |  | 5                                                                 |  | 4                                                        |          | 3        |          | 2        |  | 1 |  |  |
| PART LIST                |     |                                          |              |   |            |          |              |   |  | POLES                                                             |  | 4 POLE                                                   | 5 POLE   | 8 POLE   | 12 POLE  | 4 POLE   |  |   |  |  |
|                          |     |                                          |              |   |            |          |              |   |  | VOLTAGE RATING                                                    |  | 250V                                                     | 60V      | 30V      | 30V      | 250V     |  |   |  |  |
|                          |     |                                          |              |   |            |          |              |   |  | CODING                                                            |  | A - Code                                                 | A - Code | A - Code | A - Code | D - Code |  |   |  |  |
|                          |     |                                          |              |   |            |          |              |   |  | AMPERE RATING                                                     |  | 4A                                                       | 4A       | 2A       | 1.5A     | 4A       |  |   |  |  |
|                          |     |                                          |              |   |            |          |              |   |  | PROTECTION CLASS<br>CONNECTOR INTERFACE<br>AND SHELL TO ENCLOSURE |  | IP 67/69K (in mated condition / when properly installed) |          |          |          |          |  |   |  |  |
|                          |     |                                          |              |   |            |          |              |   |  | OPERATING TEMP.                                                   |  | -40°C / +90°C                                            |          |          |          |          |  |   |  |  |
|                          |     |                                          |              |   |            |          |              |   |  | UL/CSA CERTIFICATION                                              |  | CSA FILE NO. LR6837, C`CSA`US MARK                       |          |          | Pending  |          |  |   |  |  |
|                          |     |                                          |              |   |            |          |              |   |  | PIN DIAMETER                                                      |  | 1.0 mm                                                   | 1.0 mm   | 0.8 mm   | 0.6 mm   | 1.0 mm   |  |   |  |  |
|                          |     |                                          |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| TABLE 1 - 4P A-CODE      |     |                                          |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| ITEM                     | QTY | DESCRIPTION                              |              |   |            | MATERIAL | FINISH/COLOR |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 1                        | 1   | SHELL M16/M12MA BRASS BM L20/W17 REC U12 |              |   |            | BRASS    | Ni           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 2                        | 1   | NUT M16X1.5 BRASS NI HEX                 |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 3                        | 1   | GASKET OR NBR BK                         |              |   |            | NBR      | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 4                        | 1   | MIC 4P REC INSERT A-CODE PA SHORT        |              |   |            | PA       | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 5                        | 4   | CONTACT 10 MA                            |              |   |            | BRASS    | Au           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 6                        | -   | POTTING MATERIAL                         |              |   |            | PUR      | BEIGE        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| TABLE 2 - 5P A-CODE      |     |                                          |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| ITEM                     | QTY | DESCRIPTION                              |              |   |            | MATERIAL | FINISH/COLOR |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 1                        | 1   | SHELL M16/M12MA BRASS BM L20/W17 REC U12 |              |   |            | BRASS    | Ni           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 2                        | 1   | NUT M16X1.5 BRASS NI HEX                 |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 3                        | 1   | GASKET OR NBR BK                         |              |   |            | NBR      | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 4                        | 1   | MIC 5P REC INSERT A-CODE PA SHORT        |              |   |            | PA       | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 5                        | 5   | CONTACT 10 MA                            |              |   |            | BRASS    | Au           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 6                        | -   | POTTING MATERIAL                         |              |   |            | PUR      | BEIGE        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| TABLE 3 - 8P A-CODE      |     |                                          |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| ITEM                     | QTY | DESCRIPTION                              |              |   |            | MATERIAL | FINISH/COLOR |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 1                        | 1   | SHELL M16/M12MA BRASS BM L20/W17 REC U12 |              |   |            | BRASS    | Ni           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 2                        | 1   | NUT M16X1.5 BRASS NI HEX                 |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 3                        | 1   | GASKET OR NBR BK                         |              |   |            | NBR      | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 4                        | 1   | MIC 8P REC INSERT MALE PA SHORT          |              |   |            | PA       | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 5                        | 8   | CONTACT 8 MA                             |              |   |            | BRASS    | Au           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 6                        | -   | POTTING MATERIAL                         |              |   |            | PUR      | BEIGE        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| TABLE 4 - 12P A-CODE     |     |                                          |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| ITEM                     | QTY | DESCRIPTION                              |              |   |            | MATERIAL | FINISH/COLOR |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 1                        | 1   | SHELL M16/M12MA BRASS BM L20/W17 REC U12 |              |   |            | BRASS    | Ni           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 2                        | 1   | NUT M16X1.5 BRASS NI HEX                 |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 3                        | 1   | GASKET OR NBR BK                         |              |   |            | NBR      | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 4                        | 1   | MIC 12P REC INSERT MALE PA SHORT         |              |   |            | PA       | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 5                        | 12  | CONTACT 6 MA                             |              |   |            | BRASS    | Au           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 6                        | -   | POTTING MATERIAL                         |              |   |            | PUR      | BEIGE        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| TABLE 5 - 4P D-CODE      |     |                                          |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| ITEM                     | QTY | DESCRIPTION                              |              |   |            | MATERIAL | FINISH/COLOR |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 1                        | 1   | SHELL M16/M12MA BRASS BM L20/W17 REC U12 |              |   |            | BRASS    | Ni           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 2                        | 1   | NUT M16X1.5 BRASS NI HEX                 |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 3                        | 1   | GASKET OR NBR BK                         |              |   |            | NBR      | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 4                        | 1   | MIC 4P REC INSERT D-CODE PA SHORT        |              |   |            | PA       | BLACK        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 5                        | 4   | CONTACT 10 MA                            |              |   |            | BRASS    | Au           |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| 6                        | -   | POTTING MATERIAL                         |              |   |            | PUR      | BEIGE        |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| DOCUMENT STATUS          |     | P1                                       | RELEASE DATE |   | 2023/01/31 | 08:21:42 |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| FORMAT: master-b-prod-A3 |     | 9                                        |              | 8 |            | 7        |              | 6 |  | 5                                                                 |  | 4                                                        |          | 3        |          | 2        |  | 1 |  |  |
| REVISION: 1              |     |                                          |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |
| DATE: 2020/01/14         |     |                                          |              |   |            |          |              |   |  |                                                                   |  |                                                          |          |          |          |          |  |   |  |  |