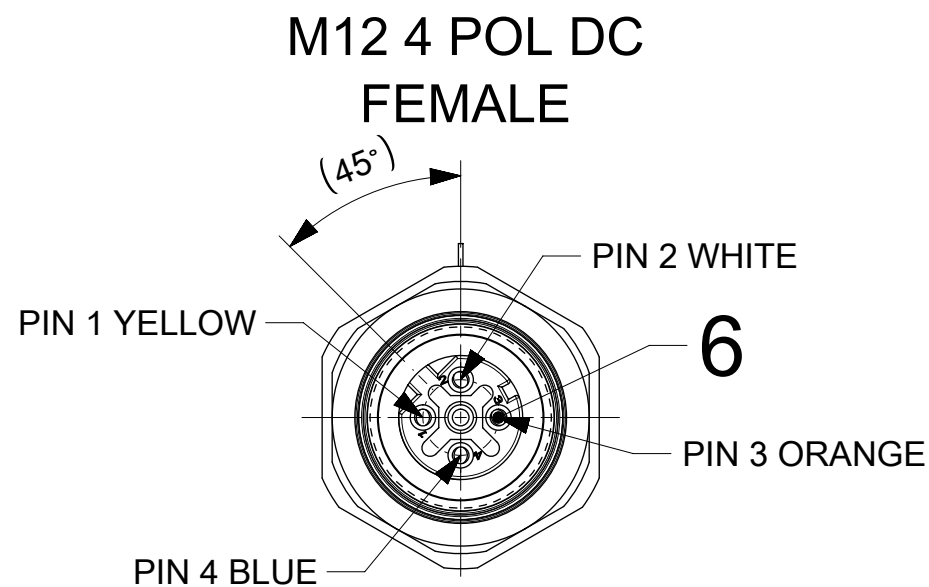
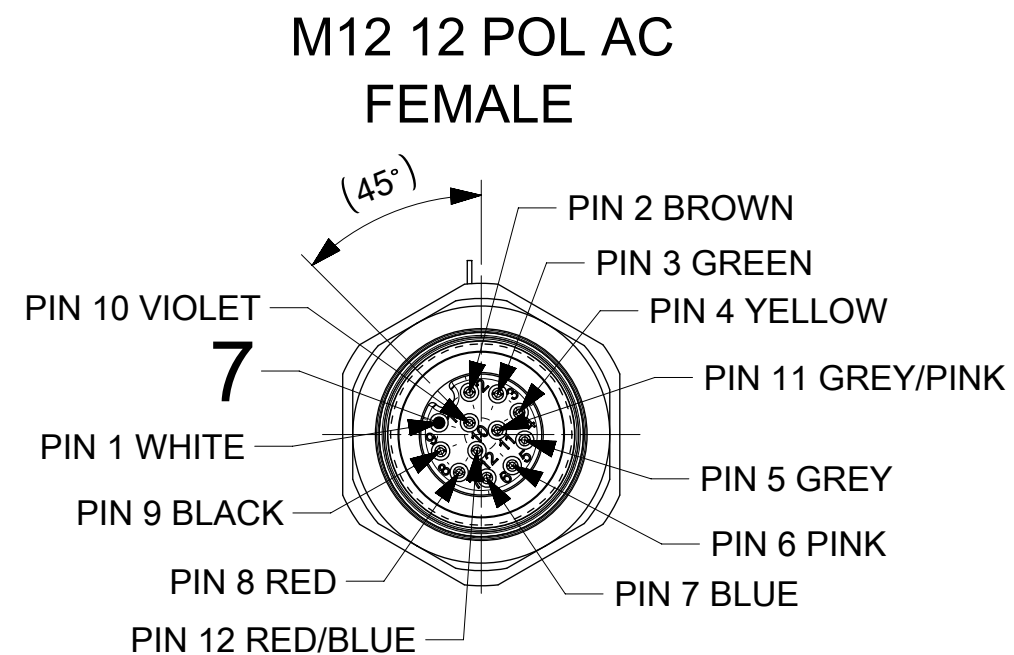
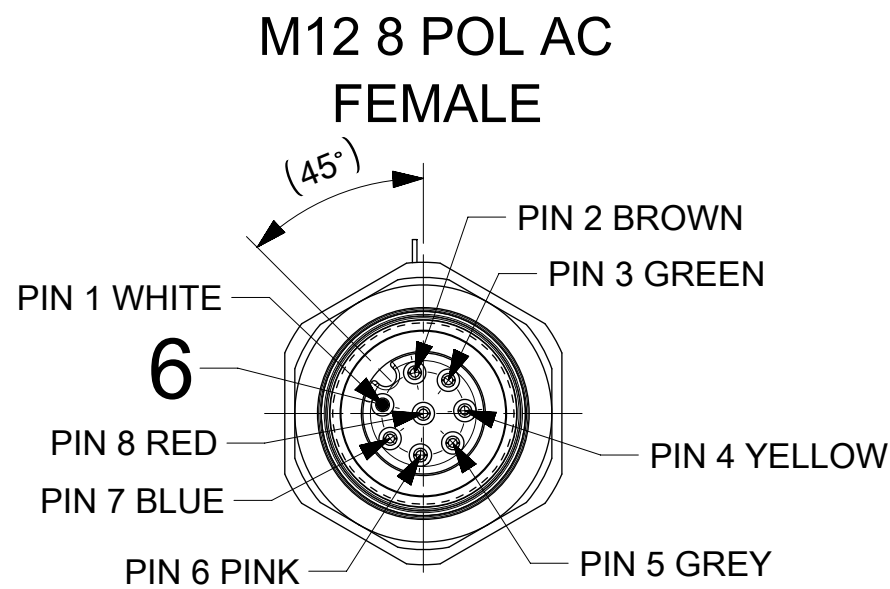
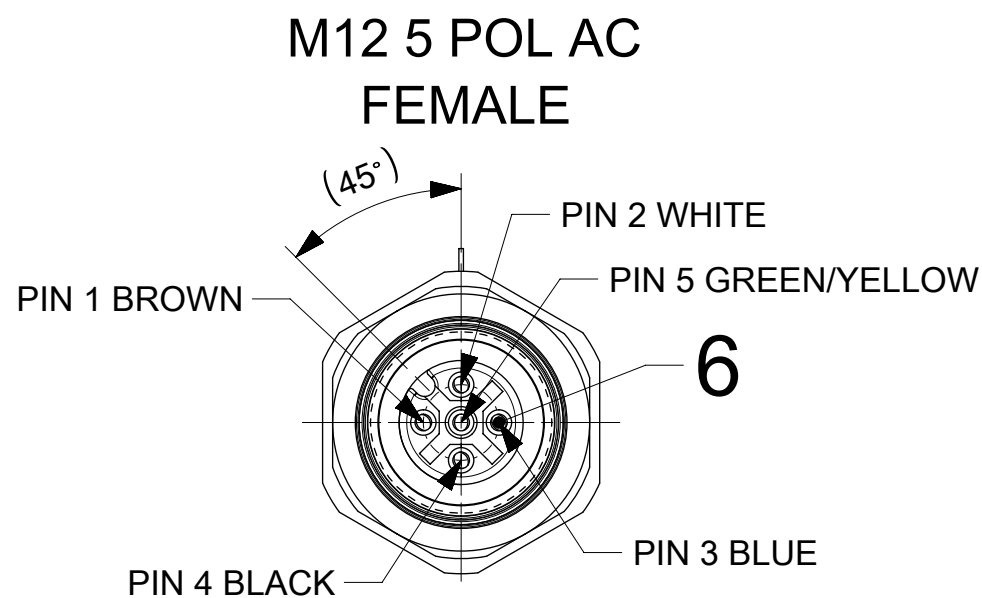
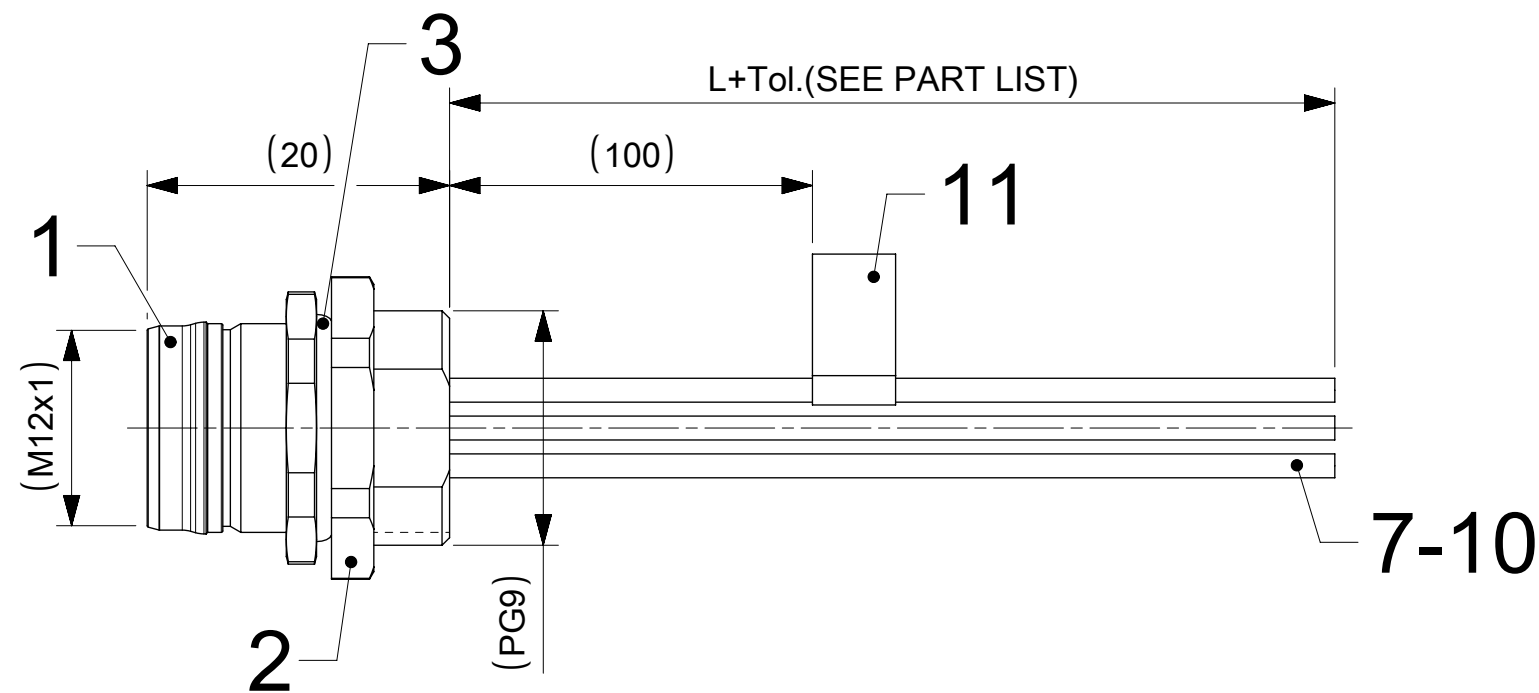
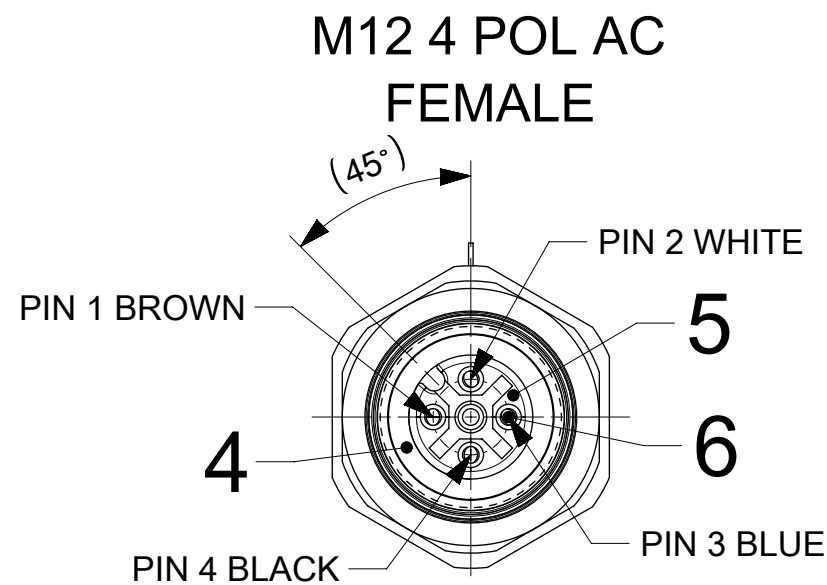
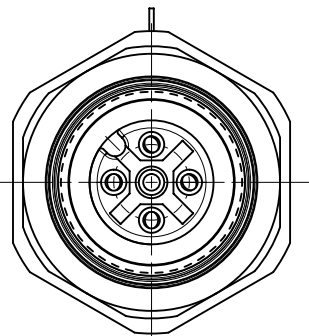
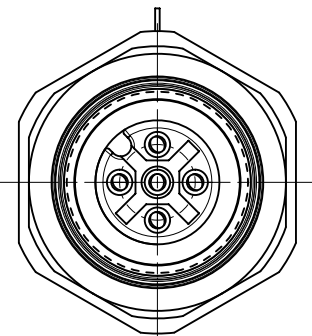
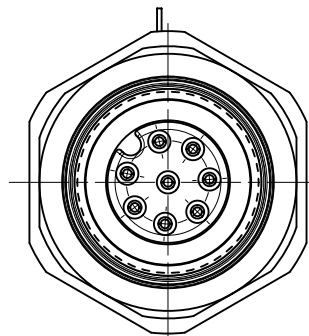
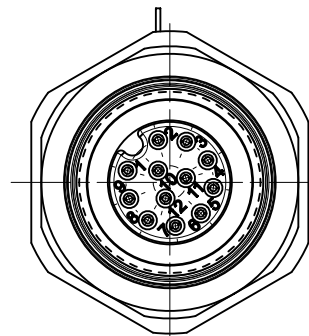
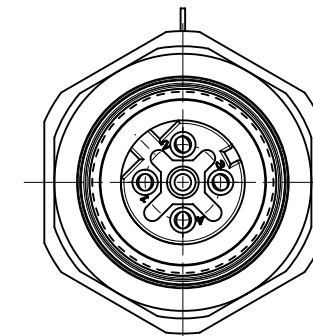




|                     |                                                                                                                                               |  |        |  |                                                                                                      |  |  |                                                                                       |  |                            |  |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|--|----------------------------|--|
| 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>                                                                      |  |                            |  |
|                     | mm                                                                                                                                            |  | 2:1    |  |                                                                                                      |  |  |                                                                                       |  |                            |  |
|                     | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |  |                                                                                                      |  |  | REC U12 XP XC FE PG9 FM WIR BRASS NI XM                                               |  |                            |  |
| ANGULAR TOL ± 1.0 ° |                                                                                                                                               |  |        |  |                                                                                                      |  |  |                                                                                       |  |                            |  |
| DIVISIONAL SYMBOLS  | 4 PLACES                                                                                                                                      |  | ±      |  | EC NO: 736602<br>DRWN: RSCHIEBER 2023/01/30<br>CHK'D: RSILLER 2023/01/31<br>APPR: RSILLER 2023/01/31 |  |  | PRODUCT CUSTOMER DRAWING                                                              |  |                            |  |
|                     | 3 PLACES                                                                                                                                      |  | ±      |  |                                                                                                      |  |  |                                                                                       |  |                            |  |
|                     | 2 PLACES                                                                                                                                      |  | ± 0.05 |  |                                                                                                      |  |  | DOCUMENT NUMBER<br>1204040011<br>DOC TYPE<br>PSD<br>DOC PART<br>000<br>REVISION<br>A1 |  |                            |  |
|                     | 1 PLACE                                                                                                                                       |  | ± 0.3  |  |                                                                                                      |  |  |                                                                                       |  |                            |  |
|                     | 0 PLACES                                                                                                                                      |  | ± 0.5  |  | INITIAL REVISION:<br>DRWN: FDAFERNER 2021/02/16<br>APPR: RSILLER 2022/07/13                          |  |  |                                                                                       |  |                            |  |
|                     | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  |        |  |                                                                                                      |  |  | THIRD ANGLE PROJECTION                                                                |  | DRAWING<br>A3-SIZE         |  |
|                     |                                                                                                                                               |  |        |  |                                                                                                      |  |  | MATERIAL NUMBER<br>SEE PART LIST                                                      |  | CUSTOMER<br>GENERAL MARKET |  |
|                     |                                                                                                                                               |  |        |  |                                                                                                      |  |  |                                                                                       |  | SHEET NUMBER<br>1 OF 3     |  |

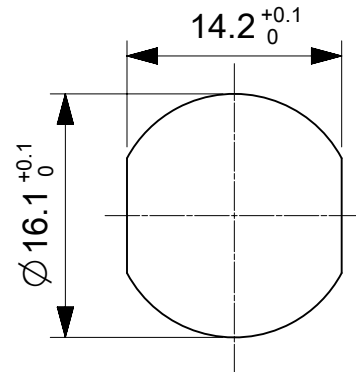
|                       |     |                                          |          |              |   |   |   |   |   |
|-----------------------|-----|------------------------------------------|----------|--------------|---|---|---|---|---|
| 10                    | 9   | 8                                        | 7        | 6            | 5 | 4 | 3 | 2 | 1 |
| TABLE 1 - 4P A-CODE   |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P AC TPU BK UNSH          | TPU      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;BN;1.58;PVC;17x0.16;UL1569    |          | BROWN        |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;BK;1.58;PVC;17x0.16;UL1569    |          | BLACK        |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 2 - 5P A-CODE   |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 5P AC TPU BK UNSH          | TPU      | BLACK        |   |   |   |   |   |
| 6                     | 5   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;BN;1.58;PVC;17x0.16;UL1569    |          | BROWN        |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;BK;1.58;PVC;17x0.16;UL1569    |          | BLACK        |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | WIRE;20AWG;GN;YE;1.76;PVC;26x0.16;UL1569 |          | GREEN/YELLOW |   |   |   |   |   |
| 12                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 13                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 3 - 8P A-CODE   |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 8P AC REC PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 8   | CONTACT 8 FE TUR AU CR SHORT 7/8POLE     | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;24AWG;BU;1.43;PVC;11x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;24AWG;BN;1.43;PVC;11x0.16;UL1569    |          | BROWN        |   |   |   |   |   |
| 9                     | 1   | WIRE;24AWG;YE;1.43;PVC;11x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;24AWG;GN;1.43;PVC;11x0.16;UL1569    |          | GREEN        |   |   |   |   |   |
| 11                    | 1   | WIRE;24AWG;GY;1.43;PVC;11x0.16;UL1569    |          | GREY         |   |   |   |   |   |
| 12                    | 1   | WIRE;24AWG;PK;1.43;PVC;11x0.16;UL1569    |          | PINK         |   |   |   |   |   |
| 13                    | 1   | WIRE;24AWG;RD;1.43;PVC;11x0.16;UL1569    |          | RED          |   |   |   |   |   |
| 14                    | 1   | WIRE;24AWG;WH;1.43;PVC;11x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 15                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 16                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 4 - 12P A-CODE  |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 5 - 4P D-CODE   |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 6 - 12P D-CODE  |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 7 - 12P D-CODE  |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 8 - 12P D-CODE  |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 9 - 12P D-CODE  |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 10 - 12P D-CODE |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 11 - 12P D-CODE |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 12 - 12P D-CODE |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 13 - 12P D-CODE |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 14 - 12P D-CODE |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 15 - 12P D-CODE |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569    |          | YELLOW       |   |   |   |   |   |
| 10                    | 1   | WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569    |          | WHITE        |   |   |   |   |   |
| 11                    | 1   | LABEL;SELF L.YELLOW(2.25X.75IN)          | VINYL    | YELLOW       |   |   |   |   |   |
| 12                    | -   | POTTING MATERIAL                         | -        | -            |   |   |   |   |   |
| TABLE 16 - 12P D-CODE |     |                                          |          |              |   |   |   |   |   |
| ITEM                  | QTY | DESCRIPTION                              | MATERIAL | FINISH/COLOR |   |   |   |   |   |
| 1                     | 1   | SHELL PG9 FE BRASS FM L20 NI REC U12     | BRASS    | Ni           |   |   |   |   |   |
| 2                     | 1   | NUT PG9 BRASS NI HEX                     |          |              |   |   |   |   |   |
| 3                     | 1   | GASKET OR NBR 11X2 BK                    | NBR      | BLACK        |   |   |   |   |   |
| 4                     | 1   | GASKET OR FPM 7.1X1.35 RD 60             | FPM      | RED          |   |   |   |   |   |
| 5                     | 1   | INSERT M12 FE 4P DC CSE PUR BK UNSH      | PUR      | BLACK        |   |   |   |   |   |
| 6                     | 4   | CONTACT 10 FE STA AU CR WRA 0.14-0.50    | BRASS    | Au           |   |   |   |   |   |
| 7                     | 1   | WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569    | PVC      | BLUE         |   |   |   |   |   |
| 8                     | 1   | WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569    |          | ORANGE       |   |   |   |   |   |
| 9                     | 1   | WIRE;22AWG;YE;1.58                       |          |              |   |   |   |   |   |

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DATE: 2020/01/14

| POLES                                                         | 4 POLE                                                                            | 5 POLE                                                                             | 8 POLE                                                                              | 12 POLE                                                                             | 4 POLE                                                                              |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| LAYOUT                                                        |  |  |  |  |  |
| 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>SHELL TO ENCLOSURE | IP 67/69K (in mated condition / when properly installed)                          |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| OPERATING TEMP.                                               | -40°C / 85°C                                                                      |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| UL CERTIFICATION                                              | FILE NO. E152210                                                                  |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| CSA CERTIFICATION                                             | FILE NO. LR6837                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| WIRE LEAD                                                     | 0.34 mm <sup>2</sup> PVC                                                          | 0.34 mm <sup>2</sup> PVC                                                           | 0.25 mm <sup>2</sup> PVC                                                            | 0.14 mm <sup>2</sup> PVC                                                            | 0.34 mm <sup>2</sup> PVC                                                            |
| PIN DIAMETER                                                  | 1.0 mm                                                                            | 1.0 mm                                                                             | 0.8 mm                                                                              | 0.6 mm                                                                              | 1.0 mm                                                                              |
| WIRE COLOR                                                    | ACCORDING TO IEC 60947-5-2                                                        |                                                                                    | ACCORDING TO DIN 47100                                                              |                                                                                     | ACC. TO IEC 60947-5-2                                                               |

NOTE:  
1. PANEL THICKNESS MAX. 5.5mm

RECOMMENDED PANEL CUTOUT



## PART LIST 4P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                               | L [mm] | TOL |
|------------|--------------------|-------------------------------------------|--------|-----|
| 1204040011 | YR4J20E03C300      | REC U12 4P AC FE PG9 FM WIR BRASS NI 0.3M | 300    | +40 |
| 1204040036 | YR4J20E03C500      | REC U12 4P AC FE PG9 FM WIR BRASS NI 0.5M | 500    | +40 |

## PART LIST 5P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                               | L [mm] | TOL |
|------------|--------------------|-------------------------------------------|--------|-----|
| 1204040012 | YR5J20E03C300      | REC U12 5P AC FE PG9 FM WIR BRASS NI 0.3M | 300    | +40 |
| 1204040037 | YR5J20E03C500      | REC U12 5P AC FE PG9 FM WIR BRASS NI 0.5M | 500    | +40 |

## PART LIST 8P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                               | L [mm] | TOL |
|------------|--------------------|-------------------------------------------|--------|-----|
| 1204040013 | YR8J20E02C300      | REC U12 8P AC FE PG9 FM WIR BRASS NI 0.3M | 300    | +40 |
| 1204040038 | YR8J20E02C500      | REC U12 8P AC FE PG9 FM WIR BRASS NI 0.5M | 500    | +40 |

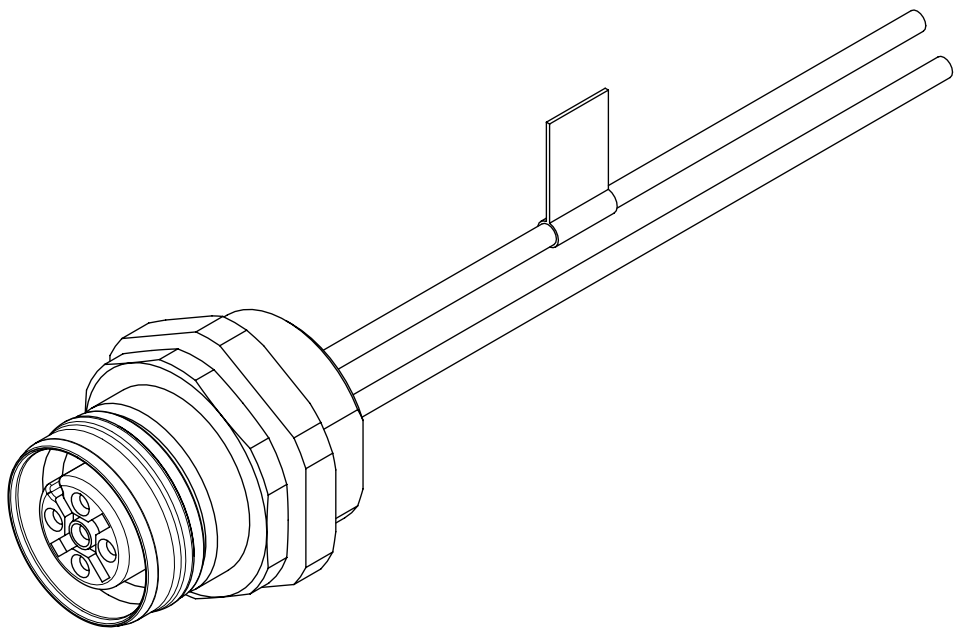
## PART LIST 12P AC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                                | L [mm] | TOL |
|------------|--------------------|--------------------------------------------|--------|-----|
| 1204040014 | YRCJ20E01C300      | REC U12 12P AC FE PG9 FM WIR BRASS NI 0.3M | 300    | +40 |
| 1204040039 | YRCJ20E01C500      | REC U12 12P AC FE PG9 FM WIR BRASS NI 0.5M | 500    | +40 |

## PART LIST 4P DC

| MOLEX P/N  | ENGINEERING NUMBER | DESCRIPTION                               | L [mm] | TOL |
|------------|--------------------|-------------------------------------------|--------|-----|
| 1204063002 | ERYA2J20E03C300    | REC U12 4P DC FE PG9 FM WIR BRASS NI 0.3M | 300    | +40 |
| 1204063005 | ERYA2J20E03C500    | REC U12 4P DC FE PG9 FM WIR BRASS NI 0.5M | 500    | +40 |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/01/31 | 08:21:37 |
|-----------------|----|--------------|------------|----------|



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